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Astron. Tables
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A. M. W. DOWNING

# TABULAE REGIOMONTANAE REDUCTIONUM

## OBSERVATIONUM ASTRONOMICARUM

AB ANNO 1750 USQUE AD ANNUM 1850

COMPUTATÆ.

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AUCTORE

*FRIDERICO WILHELMO BESSEL.*

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**REGIOMONTI PRUSSORUM:**
SUMTIBUS FRATRUM BORNTRAEGER.
1830.

PARISIIS: APUD BACHELIER.
LONDINI: APUD TREUTTEL, WUERZ & RICHTER. — BLACK YOUNG & YOUNG.
AMSTELODAMI: APUD MUELLER & COMP.
PETROPOLI: APUD GRÆFF.

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# Introductio.

Praesens cognitio motuum Systematis Solaris non eos fecit progressus, quos polliceri videbatur et ingens numerus et bonitas observationum, quae inde a *Bradleji* temporibus circa Solem et Lunam et Planetas sunt institutae. Illud quidem vere dici potest, Tabulas astronomicas hodie non integris minutis primis a coelo aberrare, sed si Tabulae illae e. g. in planetae oppositione et bene observata et accurate reducta iis adhibitis praesidiis, quae ab anno 1750 usque ad haec nostra tempora suggesta sunt, quinque minutis secundis plus ab observatione recedunt, error earum tam manifestus et apertus est, quam antea error minutum primum superans. Ac tantum abest, ut Tabulae observationum praecisioni semper respondeant, ut ipsae Tabulae Solis, quas initio hujus saeculi *Celeberrimi de Lambre* et *de Zach* dederunt, a Tabulis meis anno 1828 editis *), quae *nunc* cum observationibus consentiunt, 10″ saepe discrepent: errorum vero indices, qui sunt in Cel. *Bouvardii* Tabulis Jovis, Saturni et Urani haud raro ostendunt errores, qui extra illum limitem egrediuntur **).

Incertum est, quae caussa sit horum errorum. Ab ipsis observationibus non possunt originem habere, dummodo eae cum Tabulis comparentur, quae in Speculis et bene instructis et recte administratis sint institutae, eoque sint numero, ut consensus earum mutuus a fortuitis vitiis eas liberas esse doceat. Quare tribuendi sunt aut rationi observationes reducendi aut Tabulis, quae vel in Elementis ellipticis, vel in positis planetarum perturbantium massis, vel in formulis perturbationes ad calculum revocantibus minus perfectae esse possunt, aut obscuras significant caussas, motum perturbantes, ad quas theoriae lumen nondum accesserit. Sed profecto summum debet videri Astronomiae problema, illud saepe dictum neque tamen in unoquoque casu satis confirmatum, quam diligentissime examinare, an theoria cum experientia semper consentiat. Hujus problematis solutio quum ab omni parte studiosissime tentata fuerit, aut perfecto et absoluto modo confirmabitur theoria *Newtonii*, aut ab omni dubio procul

*) *Schumacher*, Astronomische Nachrichten, Nr. 133 et 134.
**) Tables Astron. publiées par le Bureau des Longitudes de France. Paris, 1821.

cognoscetur, eam in quibusdam casibus sine mutatione aliqua non sufficere, aut praeter cognita corpora perturbantia obscuras superesse perturbationum caussas.

Ut solvi possit hoc gravissimum problema, primum necesse est praesidia quaeramus, quibus usi verum ex observationibus fructum capere valeamus pro ipsarum bonitate, neque propriis erroribus novos addamus a reductione profectos. Absolute quidem hoc nunquam assequi licet, quum vel diligentissima Elementorum reductionibus inservientium pervestigatio propius quidem ad veritatem accedere, ipsam veritatem assequi nequeat, sed illud sperandum est, fore, ut reductionum Elementa *pro initio et fine* certae periodi tam accurate definiantur, ut ipsorum praecisio praecisioni respondeat observationum *illo temporis intervallo* institutarum. Hujus rei periculum feci determinando reductionum Elementa primum pro medio superiore saeculo ex indagatione observationum *Bradleji* *), deinde pro praesenti tempore ex observationibus, quae sunt institutae in specula Regiomontana **). Jam mea sententia Adscensiones rectae et Declinationes illarum 36 Stellarum fundamentalium *Maskelynii* nec non stellae polaris pro periodo ab anno 1750 usque ad hanc nostram aetatem tanta gaudent praecisione, ut residui errores comparati cum observationum erroribus per idem temporis spatium institutarum haud magni sint ducendi. Quod verius etiam dici potest de differentiis Adscensionum rectarum et Declinationum quam de absolutis earum numeris. Quare si futurum tempus indicaverit errores absolutarum determinationum, praecisione, quae observationibus ab anno 1750 usque ad nostram aetatem institutis sufficiat, quid inde in reductiones harum observationum redundet, per formulam a solo tempore pendentem ad calculos vocare poteris, nec opus erit repetita et redintegrata reductione, modo iisdem semper Elementis usus fueris.

Praeterea si consideramus in dies crescentem observationum multitudinem, in qua semper difficilius erit, observationes ea forma, qua proferri solent ab Astronomis, quaque proferri fas est, animo complecti, eas stipatas optabimus longe minore momentorum numero, ad quae is, qui planetae theoriam scrutandam sibi sumpserit, possit semper redire, omissa originalium observationum cura. Pro superioribus planetis e. g. tempora et loca oppositionum fortasse etiam quadraturarum semel ea qua par est diligentia ex observationibus ab anno 1750 institutis ad calculum vocata, his hodiernis adhibitis praesidiis, totam harum observationum seriem brevissima forma comprehendent.

Haec omnia complectenti mihi videtur plurimum valere ad futuros progressus in cognitione systematis Solaris, loca planetarum ab anno 1750 observata quam diligentissime secundum eadem semper Elementa in catalogos redigere, ut quisque locus expositus in illis ex pluribus observationibus collectus sit. Sed quia omnium planetarum theoriae mutuo vinculo inter se con-

*) Fundamenta Astronomiae pro Anno 1755. Regiomonti, 1818.

**) Vide singulas partes observationum Astronomicarum in specula Regiomontana factarum, duasque insuper dissertationes, quas Academiae scientiarum Berolinensi diebus 17. Jun. 1819 et 24. Mart. 1825 tradidi.

junctae sunt, prius construantur oportet catalogi pro universis planetis, quam theoria inquiratur singulorum *). Quo labore nullum credo nunc majorem utilitatem Astronomiae allaturum esse.

Hanc opinionem secutus jam plures abhinc annos partem hujus observationum reductionis, nempe omnia, quae ad apparentia stellarum fixarum loca pertinent, exoptavi in medium proferre. Quum igitur disquisitio de mediis locis illarum 36 stellarum fundamentalium *Maskelynii* atque stellarum $\alpha$ et $\delta$ Ursae minoris ad eum limitem pervenisset, quem ultra progredi spem ipse deponerem, partim ipse laborem aggressus sum, ut Tabulas construerem, quas nunc Astronomis trado, partim usus sum auxilio, quod comiter mihi obtulerant viri dilectissimi, *Albert* Monacensis, *Anger* et *Busch* Gedanenses, *Olufsen* Hafniensis, *Dr. a Steinheil* Monacensis, qui per aliquod tempus Regiomonti studium posuerunt in Astronomia, et praeter hos vir optime meritus *Knorre*, qui praeest speculae Nicolajeviensi, vires nobiscum consociavit. Quid cuique debeatur amicorum mihi tam carorum, in explicandis singulis Tabulis nominatim indicabo.

Tabularum forma plane accommodata est ad eam rationem, quam, prout peculiares Tabulas pro singulis stellis respicit, anno 1818 **), prout generales omnibus stellis inservientes, anno 1821 ***) publici juris feci. Cujus rationis hoc est proprium, ut Tabulis non Longitudo Solaris neque Longitudo Nodi ascendentis Lunaris, sed ipsum tempus suppeditetur pro Argumento, praeterea ut stellarum apparentia loca dentur pro ipso Culminationis momento. Hoc modo ampliores quidem evadunt Tabulae, sed praecisio facilitasque usus hoc incommodum prorsus videtur restituere. Sed antequam accuratius has Tabulas explicem, brevi exponam de stellarum locorum mutationibus, quae ex Praecessione, Motu proprio, Nutatione et Aberratione oriuntur. Quorum plurima quidem jam prius separatim pluribus locis in lucem edidi, hic vero collecta et ubi necessarium videbatur paullulum immutata trado, ut omnes quae reductioni inserviunt formulae uno in loco reperiantur.

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## *De media Aequinoctiorum Praecessione.*

Quum situs circulorum maximorum, ad quos loca stellarum referuntur, in sphaera coelesti mutetur, mutantur etiam stellarum loca: motus Aequatoris Adscensionem rectam et Declinationem, motus Ecliptices Longitudinem mutabit et Latitudinem: quoniam vero Adscensio recta non a fixo Aequatoris puncto, neque Longitudo a fixo Ecliptices puncto, sed utraque a vernali Aequinoctiorum puncto numeratur, idque punctum motu utriusque circuli mu-

*) His similia pro Sole proposui in libro „Astronomische Nachrichten", Nr. 134.
**) Fundamenta Astronomiae pro Anno 1755. Sect. VII.
***) *Schumacher*, Astronomische Nachrichten, Nr. 4.

tatur, inde fit, ut motus Ecliptices ad Adscensionem rectam, motus Aequatoris aliquid momenti habeat ad Longitudinem. Omnes ex hac fonte manantes motus *Praecessioni* tribuuntur, etsi verbum hoc arctiore sensu principio est usurpatum.

Primum necessarium est, Aequatoris et Ecliptices motus ad *fixum* maximum sphaerae coelestis circulum definire, quem *Laplacio* duce eum esse volumus, quocum Ecliptica initio anni 1750 coincidebat. Jam pro indeterminato tempore $1750 + t$ designabimus Obliquitatem hujus fixae Ecliptices per $\omega$, verae Ecliptices per $\omega_{,}$, angulum unius cum altera per $\pi$, deinde motum ab anno 1750 numeratum punctorum, in quibus Aequator et fixa Ecliptica se invicem secant, i. e. *Praecessionem lunisolarem* per $\psi$, punctorum motum, in quibus Aequator a vera Ecliptica scindatur, i. e. *Praecessionem generalem* per $\psi_{,}$, Longitudinem Nodi ascendentis verae Ecliptices in fixa, numeratam a vernali anni 1750 Aequinoctiorum puncto per $\Pi$; postremo motum Ecliptices in Aequatore per $\lambda$. Si poli trium circulorum, quos hic consideramus, ubi $e$ polus sit Ecliptices fixae, $e'$ verae, $a$ polus Aequatoris, sphaerico triangulo connectantur, habebimus per introductas significationes:

| Latera | opposito angulos |
|---|---|
| $ae = \omega$ | $ae'e = \Pi + \psi_{,}$ |
| $ae' = \omega_{,}$ | $e'ea = 180^\circ - \Pi - \psi$ |
| $ee' = \pi$ | $eae' = \lambda$ |

Septem hae quantitates, quibus et anguli et latera expressa sunt, tribus illis sphaerici trianguli aequationibus conjunguntur, ita ut tres earum per quatuor reliquas determinari possint. Itaque si data acceperimus $\omega$, $\omega_{,}$, $\psi$ et $\psi_{,}$, habebimus secundum *Nepperianas* analogias

$$[1] \begin{cases} \operatorname{Tang}\tfrac{1}{2}\pi \operatorname{Sin}(\Pi + \tfrac{1}{2}\psi + \tfrac{1}{2}\psi_{,}) = \operatorname{Sin}\tfrac{1}{2}(\psi - \psi_{,}) \operatorname{Tang}\tfrac{1}{2}(\omega_{,} + \omega) \\ \operatorname{Tang}\tfrac{1}{2}\pi \operatorname{Cos}(\Pi + \tfrac{1}{2}\psi + \tfrac{1}{2}\psi_{,}) = \operatorname{Cos}\tfrac{1}{2}(\psi - \psi_{,}) \operatorname{Tang}\tfrac{1}{2}(\omega_{,} - \omega) \\ \operatorname{Tang}\tfrac{1}{2}\lambda \operatorname{Cos}\tfrac{1}{2}(\omega_{,} + \omega) = \operatorname{Tang}\tfrac{1}{2}(\psi - \psi_{,}) \operatorname{Cos}\tfrac{1}{2}(\omega_{,} - \omega) \end{cases}$$

His aequationibus inveniuntur $\pi$, $\Pi$ et $\lambda$.

III. *Laplace* formulas dedit *) quae ad potentias temporis evolutae suppeditant:

$$\begin{aligned} \psi &= t\,.\,50'',28760 - tt\,.\,0'',0001217945 \\ \psi_{,} &= t\,.\,50'',09915 + tt\,.\,0'',0001221483 \\ \omega &= 23^\circ\,28'\,18'',0 + tt\,.\,0'',00000984233 \\ \omega_{,} &= 23^\circ\,28'\,18'',0 - t\,.\,0'',52114 \\ &\qquad\quad - tt\,.\,0'',00000272295 \end{aligned}$$

Has formulas in eo mutavi **), ut ipsas seriori quam *Burckhardtio* debemus determinationi massae Veneris accommodarem, deinde ut loco primi membri ipsius $\psi$ eum ponerem Praecessionis Lunisolaris valorem, quem exhibuerat catalogi Fundamentorum Astronomiae pro 1755 cum catalogo *Piazziano*

*) Traité de mécanique céleste. Vol. III. P. 158.
**) Fundamenta Astronomiae. Sect. XI. P. 297.

completa collatio. Serius autem quum absolutas Adscensiones rectas 36 stellarum fundamentalium bis, pro 1815 et 1825, ex propriis observationibus destinassem, eas conquisivi correctiones, quae Adscensionibus rectis catalogi *Piazziani* universe admovendae essent, ut earum cum iis, quae modo laudavi, fieret plana consensio. Ita formulae illae secundam mutationem passae *) in has sequentes abierunt

$$[2]\quad \begin{cases} \psi = t\,.\,50'',37572 - tt\,.\,0'',0001217945 \\ \psi_{,} = t\,.\,50'',21129 + tt\,.\,0'',0001221483 \\ \omega = 23^\circ\,28'\,18'',0 + tt\,.\,0'',00000984233 \\ \omega_{,} = 23^\circ\,28'\,18'',0 - t\,.\,0'',48368 \\ \qquad\qquad - tt\,.\,0'',00000272295 \end{cases}$$

Quae formulae, substitutae in [1] et evolutae ad potentias temporis suppeditant

$$[3]\quad \begin{cases} \Pi = 171^\circ\,36'\,10'' - t\,.\,5'',21 \\ \pi = t\,.\,0'',48892 - tt\,.\,0'',0000030719 \\ \lambda = t\,.\,0'',17926 - tt\,.\,0'',0002660394 \end{cases}$$

Nunc duo illa problemata, quibus locorum stellarum mutationes, ex Praecessione manantes, definiantur, solvere licet, nempe

*Problema* I. Data stellae Longitudine $l$, Latitudine $b$ pro tempore $1750 + t$, invenire Longitudinem $l'$ et Latitudinem $b'$ pro tempore $1750 + t'$.

Sit stellae Longitudo et Latitudo, ad fixam Eclipticen et fixum punctum Aequinoctiale anni 1750 relata, $L$ et $B$, sphaericum triangulum, quod polos $e$ et $e'$ cum stella connectit, nobis praebebit

$$[4]\quad \begin{cases} \operatorname{Cos} B \operatorname{Cos}(L - \Pi) = \operatorname{Cos} b \operatorname{Cos}(l - \Pi - \psi_{,}) \\ \operatorname{Cos} B \operatorname{Sin}(L - \Pi) = \operatorname{Cos} b \operatorname{Sin}(l - \Pi - \psi_{,}) \operatorname{Cos}\pi - \operatorname{Sin} b \operatorname{Sin}\pi \\ \qquad \operatorname{Sin} B = \operatorname{Cos} b \operatorname{Sin}(l - \Pi - \psi_{,}) \operatorname{Sin}\pi + \operatorname{Sin} b \operatorname{Cos}\pi. \end{cases}$$

Harum formularum ope inveniuntur $L$ et $B$, quae constantes habent valores, modo sit stella revera immobilis. Si valores ipsorum $\Pi$, $\pi$, $\psi_{,}$ pro tempore $1750 + t'$ significantur per $\Pi'$, $\pi'$, $\psi_{,}'$, sequitur ex eodem triangulo:

$$[5]\quad \begin{cases} \operatorname{Cos} b' \operatorname{Cos}(l' - \Pi' - \psi_{,}') = \operatorname{Cos} B \operatorname{Cos}(L - \Pi') \\ \operatorname{Cos} b' \operatorname{Sin}(l' - \Pi' - \psi_{,}') = \operatorname{Cos} B \operatorname{Sin}(L - \Pi') \operatorname{Cos}\pi' + \operatorname{Sin} B \operatorname{Sin}\pi' \\ \qquad \operatorname{Sin} b' = -\operatorname{Cos} B \operatorname{Sin}(L - \Pi') \operatorname{Sin}\pi' + \operatorname{Sin} B \operatorname{Cos}\pi' \end{cases}$$

quibus formulis inveniuntur $b'$ et $l'$.

Evitare poteris calculum ipsorum $L$ et $B$, quum eliminaveris ea ex aequationibus [4] et [5], quod fieri potest ejusdem methodi usu, quae respectu Adscensionum rectarum et Declinationum infra explicabitur. Sed illis hic immorari, supervacaneum habeo, quia propter tardiorem Ecliptices motum, quadrata illorum $\pi$ et $\pi'$ poterunt negligi, etiam tum, quum $t$ aut $t'$ plura saecula amplecterentur. Qua de re approximatio hoc nixa sufficiet in omnibus casibus, qui possunt revera occurrere. Neglectis igitur $\pi\pi$ et $\pi'\pi'$, ex aequationibus [4] et [5] habebimus

*) Astronomische Nachrichten, Nr. 92.

$$l' = l + \psi_{,}' - \psi_{,} + \operatorname{Tang} b \,\{\pi' \operatorname{Cos}(l - \Pi' - \psi_{,}) - \pi \operatorname{Cos}(l - \Pi - \psi_{,})\}$$
$$b' = b - \pi' \operatorname{Sin}(l - \Pi' - \psi_{,}) + \pi \operatorname{Sin}(l - \Pi - \psi_{,})$$

pro quibus statuere licet

$$l' = l + \psi_{,}' - \psi_{,} + a \operatorname{Cos}\left(l - \frac{\Pi' + \Pi}{2} - \psi_{,} - A\right) \operatorname{Tang} b$$
$$b' = b\ a - \operatorname{Sin}\left(l - \frac{\Pi' + \Pi}{2} - \psi_{,} - A\right)$$

positis

$$a \operatorname{Cos} A = (\pi' - \pi) \operatorname{Cos} \tfrac{1}{2}(\Pi' - \Pi)$$
$$a \operatorname{Sin} A = (\pi' + \pi) \operatorname{Sin} \tfrac{1}{2}(\Pi' - \Pi).$$

Ex formulis [3] sequitur, verum esse usque ad quadrata temporis incl.

$$(\pi' - \pi) \operatorname{Cos} \tfrac{1}{2}(\Pi' - \Pi) = (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000030719\}$$
$$(\pi' + \pi) \operatorname{Sin} \tfrac{1}{2}(\Pi' - \Pi) = (tt - t't')\ 0'',48892 \operatorname{Sin} 2'',605$$

ergo

$$a = (t' - t)\ \{0'',48892 - (t' + t)\ 0'',0000030719\}$$
$$A = -(t' + t)\ 2'',605,$$

unde habebimus

$$[6] \begin{cases} l' = l + (t' - t)\ \{50'',21129 + (t' + t)\, 0'',0001221483\} \\ \qquad + (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000030719\}\ \operatorname{Cos} A \operatorname{Tang} b \\ b' = b - (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000030719\}\ \operatorname{Sin} A \end{cases}$$

ubi $A$ significat

$$l - 171^\circ 36' 10'' - t\,.\,50'',21 + (t' + t)\ 5'',21.$$

Quodsi $t'$ tantum infinite parvo intervallo a $t$ distare supponitur, hae formulae Longitudinis et Latitudinis quotientes differentiales subministrant, qui, anno pro unitate temporis sumpto, *variationes annuae* vocantur. Itaque annuae variationes ad tempus $1750 + t$ pertinentes erunt hae:

$$[7] \begin{cases} \text{Long.} \ldots\ldots + 50'',21129 + t\,.\,0'',0002442966 \\ \qquad + \{0'',48892 - t\,.\,0'',0000061438\}\ \operatorname{Cos}(l - M) \operatorname{Tang} b \\ \text{Lat.} \ldots\ldots - \{0'',48892 - t\,.\,0'',0000061438\}\ \operatorname{Sin}(l - M) \end{cases}$$

ubi

$$M = 171^\circ 36' 10'' + t\,.\,39'',79.$$

*Problema* II. Data stellae Adscensione recta $\alpha$ et Declinatione $\delta$ pro tempore $1750 + t$, invenire Adscensionem rectam $\alpha'$ et Declinationem $\delta'$ pro tempore $1750 + t'$.

Si Longitudo et Latitudo, relata ad fixam Eclipticen et fixum punctum Aequinoctiale, eodem modo ut in priore problemate significabitur, triangulum, quod polos $a$ et $e$ cum stella conjungit, pro tempore $1750 + t$ suppeditabit:

$$[8] \begin{cases} \operatorname{Cos} B \operatorname{Cos}(L + \psi) = \operatorname{Cos}\delta \operatorname{Cos}(\alpha + \lambda) \\ \operatorname{Cos} B \operatorname{Sin}(L + \psi) = \operatorname{Cos}\delta \operatorname{Sin}(\alpha + \lambda) \operatorname{Cos}\omega + \operatorname{Sin}\delta \operatorname{Sin}\omega \\ \operatorname{Sin} B = -\operatorname{Cos}\delta \operatorname{Sin}(\alpha + \lambda) \operatorname{Sin}\omega + \operatorname{Sin}\delta \operatorname{Cos}\omega. \end{cases}$$

eodemque modo, si valores ipsorum $\lambda$, $\omega$, $\psi$, ad tempus $1750 + t'$ pertinentes, designantur per $\lambda'$, $\omega'$, $\psi'$

$$[9]\left\{\begin{aligned}\operatorname{Cos}\delta'\operatorname{Cos}(\alpha'+\lambda') &= \operatorname{Cos}B\operatorname{Cos}(L+\psi')\\ \operatorname{Cos}\delta'\operatorname{Sin}(\alpha'+\lambda') &= \operatorname{Cos}B\operatorname{Sin}(L+\psi')\operatorname{Cos}\omega'-\operatorname{Sin}B\operatorname{Sin}\omega'\\ \operatorname{Sin}\delta' &= \operatorname{Cos}B\operatorname{Sin}(L+\psi')\operatorname{Sin}\omega'+\operatorname{Sin}B\operatorname{Cos}\omega'\end{aligned}\right.$$

Quodsi non lubet sciscitari neque Longitudinem nec Latitudinem, quae ad fixam Eclipticen pertinent, verum tantum ipsa $\alpha'$ et $\delta'$, ad rem aptum erit, ex his aequationibus eliminare illa $L$ et $B$. Id quod fit methodo, *Cl. Bohnenbergero* debita*), quam hic ex aequationibus fundamentalibus [8] et [9] derivare in animo est. Ut comprehendam brevi, pro $\alpha+\lambda$, $\alpha'+\lambda'$, $\psi'-\psi$ ponam haec $\alpha_{,}$, $\alpha_{,}'$, $u$.

His significationibus introductis eliminatio ipsorum $L$ et $B$ ex aequationibus [8] et [9] protinus suppeditabit:

$$\begin{aligned}\operatorname{Cos}\delta'\operatorname{Cos}\alpha_{,}' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}.\operatorname{Cos}u\\ &- \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}.\operatorname{Sin}u\operatorname{Cos}\omega\\ &- \operatorname{Sin}\delta.\operatorname{Sin}u\operatorname{Sin}\omega\\ \operatorname{Cos}\delta'\operatorname{Sin}\alpha_{,}' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}.\operatorname{Sin}u\operatorname{Cos}\omega'\\ &+ \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}[\operatorname{Cos}u\operatorname{Cos}\omega\operatorname{Cos}\omega'+\operatorname{Sin}\omega\operatorname{Sin}\omega']\\ &+ \operatorname{Sin}\delta.[\operatorname{Cos}u\operatorname{Sin}\omega\operatorname{Cos}\omega'-\operatorname{Cos}\omega\operatorname{Sin}\omega']\\ \operatorname{Sin}\delta' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}.\operatorname{Sin}u\operatorname{Sin}\omega'\\ &+ \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}[\operatorname{Cos}u\operatorname{Cos}\omega\operatorname{Sin}\omega'-\operatorname{Sin}\omega\operatorname{Cos}\omega']\\ &+ \operatorname{Sin}\delta[\operatorname{Cos}u\operatorname{Sin}\omega\operatorname{Sin}\omega'+\operatorname{Cos}\omega\operatorname{Cos}\omega'].\end{aligned}$$

Si fingamus triangulum sphaericum, cujus quum basis sit $u$, anguli adjacentes sint $\omega'$ et $180°-\omega$, latus vero, quod primo angulo oppositum est, sit $90°-t$, quod secundo angulo, $90°+z'$, tertius postremo angulus $\theta$, functiones ipsorum $\omega$, $\omega'$, $u$, quae in datis aequationibus occurrunt, exprimi poterunt per $z$, $z'$, $\theta$. Hinc erit

$$\begin{aligned}\operatorname{Cos}\delta'\operatorname{Cos}\alpha_{,}' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}[\operatorname{Cos}\theta\operatorname{Cos}z\operatorname{Cos}z'-\operatorname{Sin}z\operatorname{Sin}z']\\ &- \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}[\operatorname{Cos}\theta\operatorname{Sin}z\operatorname{Cos}z'+\operatorname{Cos}z\operatorname{Sin}z']\\ &- \operatorname{Sin}\delta.\operatorname{Sin}\theta\operatorname{Cos}z'\\ \operatorname{Cos}\delta'\operatorname{Sin}\alpha_{,}' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}[\operatorname{Cos}\theta\operatorname{Cos}z\operatorname{Sin}z'+\operatorname{Sin}z\operatorname{Cos}z']\\ &- \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}[\operatorname{Cos}\theta\operatorname{Sin}z\operatorname{Sin}z'-\operatorname{Cos}z\operatorname{Cos}z']\\ &- \operatorname{Sin}\delta.\operatorname{Sin}\theta\operatorname{Sin}z'\\ \operatorname{Sin}\delta' &= \operatorname{Cos}\delta\operatorname{Cos}\alpha_{,}.\operatorname{Sin}\theta\operatorname{Cos}z\\ &- \operatorname{Cos}\delta\operatorname{Sin}\alpha_{,}.\operatorname{Sin}\theta\operatorname{Sin}z\\ &+ \operatorname{Sin}\delta.\operatorname{Cos}\theta.\end{aligned}$$

Multiplicando primam aequationem per $-\operatorname{Sin}z'$, secundam vero per $\operatorname{Cos}z'$, et addendo producta, deinde multiplicando primam per $\operatorname{Cos}z'$, secundam per $\operatorname{Sin}z'$, reperietur

$$[10]\ldots\left\{\begin{aligned}\operatorname{Cos}\delta'\operatorname{Sin}(\alpha'+\lambda'-z') &= \operatorname{Cos}\delta\operatorname{Sin}(\alpha+\lambda+z)\\ \operatorname{Cos}\delta'\operatorname{Cos}(\alpha'+\lambda'-z') &= \operatorname{Cos}\delta\operatorname{Cos}(\alpha+\lambda+z)\operatorname{Cos}\theta-\operatorname{Sin}\delta\operatorname{Sin}\theta\\ \operatorname{Sin}\delta' &= \operatorname{Cos}\delta\operatorname{Cos}(\alpha+\lambda+z)\operatorname{Sin}\theta+\operatorname{Sin}\delta\operatorname{Cos}\theta\end{aligned}\right.$$

*) *Von Lindenau* und *Bohnenberger*, Zeitschrift für Astronomie etc. I. Pag. 124. Tubingae, 1816.

Quibus formulis immediate inveniuntur $\alpha'$ et $\delta'$, nec opus erit calculo ipsorum $L$ et $B$. Quantitates vero $z$, $z'$, $\theta$, quae in illis formulis occurrant, facillimo calculo inveniuntur secundum *Nepperianas* analogias

$$[11]\quad \begin{cases} \operatorname{Tang}\frac{1}{2}(z'+z) = \dfrac{\operatorname{Cos}\frac{1}{2}(\omega'+\omega)}{\operatorname{Cos}\frac{1}{2}(\omega'-\omega)}\operatorname{Tang}\frac{1}{2}(\psi'-\psi) \\ \operatorname{Tang}\frac{1}{2}(z'-z) = \dfrac{\operatorname{Sin}\frac{1}{2}(\omega'-\omega)}{\operatorname{Sin}\frac{1}{2}(\omega'+\omega)}\operatorname{Cotang}\frac{1}{2}(\psi'-\psi) \\ \operatorname{Tang}\frac{1}{2}\theta = \dfrac{\operatorname{Sin}\frac{1}{2}(z'+z)}{\operatorname{Cos}\frac{1}{2}(z'-z)}\operatorname{Tang}\frac{1}{2}(\omega'+\omega) \end{cases}$$

In locum secundae formulae licet hanc substituere, quae per plura saecula modice tantum ab ea discrepat:

$$\tfrac{1}{2}(z'-z) = (t'+t)\ 0'',1011804 + (t'+t)^2 . 0'',0000002446$$

in prima vero et in tertia denominatorem cum unitate commutare.

Ad calculum numericum formularum [10] adhiberi poterunt formulae *Gaussianae*, quae, quum brevitatis caussa pro $\alpha'+\lambda'-z'$ scriptum fuerit $a'$, pro $\alpha+\lambda+z$ autem $a$, in hoc casu suppeditant

$$[12]\quad \begin{cases} \operatorname{Cos}\frac{1}{2}(90^\circ+\delta')\operatorname{Cos}\frac{1}{2}(a'+C) = \operatorname{Cos}\frac{1}{2}(90^\circ+\delta+\theta)\operatorname{Cos}\frac{1}{2}a \\ \operatorname{Cos}\frac{1}{2}(90^\circ+\delta')\operatorname{Sin}\frac{1}{2}(a'+C) = \operatorname{Cos}\frac{1}{2}(90^\circ+\delta-\theta)\operatorname{Sin}\frac{1}{2}a \\ \operatorname{Sin}\frac{1}{2}(90^\circ+\delta')\operatorname{Cos}\frac{1}{2}(a'-C) = \operatorname{Sin}\frac{1}{2}(90^\circ+\delta+\theta)\operatorname{Cos}\frac{1}{2}a \\ \operatorname{Sin}\frac{1}{2}(90^\circ+\delta')\operatorname{Sin}\frac{1}{2}(a'-C) = \operatorname{Sin}\frac{1}{2}(90^\circ+\delta-\theta)\operatorname{Sin}\frac{1}{2}a \end{cases}$$

ubi $C$ significat tertium angulum trianguli sphaerici, cujus quum sint tria latera $90^\circ-\delta'$, $90^\circ-\delta$ et $\theta$, alteri lateri oppositus sit angulus $a$, alteri vero $180^\circ-a'$. Sed eadem cura in conquirendis logarithmis adhibita, accuratior evadit calculus, si non ipsa $a'$ et $\delta'$, sed quaerantur $a'-a$ et $\delta'-\delta$. Facile est intellectu, aequationem primam et secundam [10] subministrare haec

$$\operatorname{Cos}\delta'\operatorname{Sin}(a'-a) = \operatorname{Cos}\delta\operatorname{Sin}a\operatorname{Sin}\theta\,[\operatorname{Tang}\delta+\operatorname{Tang}\tfrac{1}{2}\theta\operatorname{Cos}a]$$

$$\operatorname{Cos}\delta'\operatorname{Cos}(a'-a) = \operatorname{Cos}\delta-\operatorname{Cos}\delta\operatorname{Cos}a\operatorname{Sin}\theta\,[\operatorname{Tang}\delta+\operatorname{Tang}\tfrac{1}{2}\theta\operatorname{Cos}a]$$

et si per secundam formulam dividetur prima, invenietur hoc

$$\operatorname{Tang}(a'-a) = \frac{\operatorname{Sin}a\ \operatorname{Sin}\theta\ [\operatorname{Tang}\delta+\operatorname{Tang}\frac{1}{2}\theta . \operatorname{Cos}a]}{1-\operatorname{Cos}a\operatorname{Sin}\theta[\operatorname{Tang}\delta+\operatorname{Tang}\frac{1}{2}\theta . \operatorname{Cos}a]}.$$

Ex analogiis *Nepperianis* derivatur

$$[13]\quad \begin{cases} \operatorname{Tang}\frac{1}{2}(\delta'-\delta) = \dfrac{\operatorname{Cos}\frac{1}{2}(a'+a)}{\operatorname{Cos}\frac{1}{2}(a'-a)}\operatorname{Tang}\frac{1}{2}\theta \\ \operatorname{Tang}\frac{1}{2}(\delta'+\delta) = \dfrac{\operatorname{Sin}\frac{1}{2}(a'+a)}{\operatorname{Sin}\frac{1}{2}(a'-a)}\operatorname{Tang}\frac{1}{2}\theta \end{cases}$$

Inde sequuntur duae calculandi leges, quarum altera directa, altera erit indirecta. Scilicet ponendo

$$p = \operatorname{Sin}\theta\,[\operatorname{Tang}\delta+\operatorname{Tang}\tfrac{1}{2}\theta . \operatorname{Cos}a]$$

habebimus

$$[14]\quad \begin{cases} \operatorname{Tang}(a'-a) = \dfrac{p\ \operatorname{Sin}a}{1-p\ \operatorname{Cos}a} \\ \operatorname{Tang}\frac{1}{2}(\delta'-\delta) = \dfrac{\operatorname{Cos}\frac{1}{2}(a'+a)}{\operatorname{Cos}\frac{1}{2}(a'-a)}\operatorname{Tang}\frac{1}{2}\theta \end{cases}$$

Altera eaque indirecta, quae mihi omnium commodissima videtur, quaque in omnibus casibus, ubi stella esset polo proxima, saepissime usus sum (nam in his solis poterit sermo esse de calculo secundum finitas formulas instituendo), in formulis [13] nititur postulatque approximativum valorem $A$ ipsius $\alpha'$, ita ut sit verus $= A + x$, ubi $x$ exiguo minutorum secundorum numero circumscriptum sit. Quodsi variationes logarithmorum ipsorum $\mathrm{Cos}\,\frac{1}{2}(a' + a)$, $\mathrm{Cos}\,\frac{1}{2}(a' - a)$, $\mathrm{Sin}\,\frac{1}{2}(a' + a)$, $\mathrm{Sin}\,\frac{1}{2}(a' - a)$ pro uno secundo Argumenti, quales immediate reperiuntur in tabulis logarithmicis, designentur his litteris $c$, $c'$, $s$, $s'$, invenientur variationes in hypothesi $\alpha' = A$ calculatorum logarithmorum ipsorum $\mathrm{Tang}\,\frac{1}{2}(\delta' - \delta)$ et $\mathrm{Cotang}\,\frac{1}{2}(\delta' + \delta)$ resp. $= \frac{1}{2}(c - c')x$ et $\frac{1}{2}(s - s')x$, et dividendo variationes eas per variationes logarithmorum ipsius $\mathrm{Tang}\,\frac{1}{2}(\delta' - \delta)$ et ipsius $\mathrm{Cotang}\,\frac{1}{2}(\delta' + \delta)$ pro minuto secundo Argumenti erunt

$$\tfrac{1}{2}(\delta' - \delta) = d + \alpha x$$
$$\tfrac{1}{2}(\delta' + \delta) = d' + \beta x$$

ubi $d$ et $d'$ valores significant ipsorum $\frac{1}{2}(\delta' - \delta)$ et $\frac{1}{2}(\delta' + \delta)$ calculati pro $\alpha' = A$. Habebimus igitur

$$\delta' = d' + d + (\beta + \alpha)x$$
$$\delta = d' - d + (\beta - \alpha)x$$

et, quum data sit $\delta$, erit

$$x = \frac{\delta - (d' - d)}{\beta - \alpha}$$

unde $\alpha'$ inveniri potest et $\delta'$.

Sed in casibus longe plurimis commodius erit, $\alpha'$ et $\delta'$ per series, quae ad potentias temporis progrediantur, evolvere, quaeque, nisi polo proxima erit stella, citissime convergant necesse est. Has series hoc modo designabimus

$$\alpha' = \alpha + U'(t' - t) + U''(t' - t)^2 + \text{etc.}$$
$$\delta' = \delta + W'(t' - t) + W''(t' - t)^2 + \text{etc.}$$

eas autem non ultra tertium terminum hic prosequemur, quia commodius erit, si altiores termini non possunt neglegi, finitas formulas supra traditas in calculo adhibere. Alio loco harum serierum altiores terminos consideravi*), sed si quaeratur, Tabulam condere mediorum locorum pro stella polo proxima, commodissime res expedietur, si haec loca secundum formulas [13] sive [14] calculantur pro certis annis, e. g. pro octavo quoque anno, singulorum vero annorum lacunae interpolatione explentur.

Formularum [8] et [9] completa differentiatio exhibet, ipsis $L$ et $B$ pro constantibus numeris sumtis,

$$\frac{d\alpha}{dt} = -\frac{d\lambda}{dt} + \frac{d\psi}{dt}[\mathrm{Cos}\,\omega + \mathrm{Sin}\,\omega\,\mathrm{Tang}\,\delta\,\mathrm{Sin}(\alpha + \lambda)]$$
$$-\frac{d\omega}{dt}\,.\,\mathrm{Tang}\,\delta\,\mathrm{Cos}(\alpha + \lambda)$$

*) Fundamenta Astronomiae pro Anno 1755. P. 301 etc.

$$\frac{d\delta}{dt} = \frac{d\psi}{dt} \,.\, \text{Sin}\,\omega\ \text{Cos}\,(\alpha + \lambda) + \frac{d\omega}{dt}\ \text{Sin}\,(\alpha + \lambda)$$

sive, ipsius $\frac{d\omega}{dt}$ quadrato potentiisque altioribus neglectis,

$$\frac{dx}{dt} = \frac{d\psi}{dt}\ \text{Cos}\,\omega - \frac{d\lambda}{dt} + \frac{d\psi}{dt}\ \text{Sin}\,\omega \,.\, \text{Tang}\,\delta \,.\, \text{Sin}\left(\alpha + \lambda - \frac{d\omega}{\text{Sin}\,\omega \,.\, d\psi}\right)$$

$$\frac{d\delta}{dt} = \frac{d\psi}{dt}\ \text{Sin}\,\omega\ \text{Cos}\left(\alpha + \lambda - \frac{d\omega}{\text{Sin}\,\omega \,.\, d\psi}\right)$$

Quantitas

$$\lambda - \frac{d\,\omega}{\text{Sin}\,\omega \,.\, d\psi},$$

quae reperitur ex formulis supra traditis pro $\lambda$, $\omega$ et $\psi = -\,t \,.\, 0'',0231$, secundum attractionis theoriam deberet semper evanescere, ut evanescit pro $t = o$ sive pro 1750. Haec theoriae cum formulis dissensio vitium est formularum inde ortum, quia ea harum formularum membra, quae sunt tempori proportionalia, mutata sunt secundum novam determinationem massae Veneris, ea vero, quae quadrato temporis proportionalia sunt, valores retinuerunt desumptos ex Mechanica Coelesti, ubi non declaratur, quomodo haec membra mutentur mutatis planetarum massis. Sed vitium haud magni est ducendum, etiam longe minus, quam incertitudo, orta in membris tempori proportionalibus ex imperfecta massarum planetarum cognitione. Quamobrem habebimus

$$[15] \quad \begin{cases} \dfrac{d\alpha}{dt} = m + n\ \text{Tang}\,\delta\ \text{Sin}\,\alpha \\[2ex] \dfrac{d\delta}{dt} = n\ \text{Cos}\,\alpha \end{cases}$$

uti $m$ et $n$ posita sunt pro

$$\frac{d\psi}{dt}\ \text{Cos}\,\omega - \frac{d\lambda}{dt} \quad \text{et} \quad \frac{d\psi}{dt}\ \text{Sin}\,\omega.$$

Ipsa inveniuntur ex formulis [2] et [3]

$$[16] \quad \begin{cases} m = 46'',02824 + t \,.\, 0'',0003086450 \\ n = 20'',06442 - t \,.\, 0'',0000970204 \end{cases}$$

Significatis valoribus ipsorum $m$ et $n$, qui ad definitum tempus $1750 + t$ pertinent, per $m'$ et $n'$, iis vero, qui ad indefinitum $1750 + t'$, per

$$m' + m''\,(t' - t) \text{ et } n' + n''\,(t' - t),$$

successiva differentiatione formularum [15] sumtisque valoribus quotientium differentialium pro $t' = t$, habebitur:

$$U' = \frac{d\alpha}{dt} = n'\ \text{Tang}\,\delta\ \text{Sin}\,\alpha + m'$$

$$U'' = \tfrac{1}{2}\,\frac{d^2\alpha}{dt^2} = \frac{n'^2}{2}\ \text{Tang}\,\delta^2\ \text{Sin}\,2\alpha + \frac{n'm'}{2}\ \text{Tang}\,\delta\ \text{Cos}\,\alpha$$

$$+ \frac{n'^2}{4}\ \text{Sin}\,2\alpha + \frac{m''}{2} + \frac{n''}{2}\ \text{Tang}\,\delta\ \text{Sin}\,\alpha$$

$$U''' = \tfrac{1}{6}\frac{d^3\alpha}{dt^3} = \frac{n'^3}{8}\,\mathrm{Tang}\,\delta^3\,\mathrm{Sin}\,3\alpha + \frac{n'^2 m'}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Cos}\,2\alpha$$
$$+ \mathrm{Tang}\,\delta\left[\frac{n'^3}{4}\,\mathrm{Sin}\,3\alpha + \left(\frac{n'^3}{12} - \frac{n'm'}{6}\right)^2 \mathrm{Sin}\,\alpha\right]$$
$$+ \frac{n'^2 m'}{12}\,[3\,\mathrm{Cos}\,2\alpha + 1]$$
$$+ \frac{m''}{6}\,n'\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha$$
$$+ n''\left[\frac{n'}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Sin}\,2\alpha + \frac{m'}{3}\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha + \frac{n'}{4}\,\mathrm{Sin}\,2\alpha\right]$$

$$W' = \frac{d\delta}{dt} = n'\,\mathrm{Cos}\,\alpha$$

$$W'' = \tfrac{1}{2}\frac{d^2\delta}{dt^2} = -\frac{n'^2}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha^2 - \frac{n'm'}{2}\,\mathrm{Sin}\,\alpha + \frac{n''}{2}\,\mathrm{Cos}\,\alpha$$

$$W''' = \tfrac{1}{6}\frac{d^3\delta}{dt^3} = -\frac{n'^3}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Sin}\,\alpha^2\,\mathrm{Cos}\,\alpha - \frac{n'^2 m'}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha\,\mathrm{Cos}\,\alpha$$
$$-\left[\frac{n'(m'^2 + n'^2)}{6}\,\mathrm{Cos}\,\alpha - \frac{n'^3}{6}\,\mathrm{Cos}\,\alpha^3\right]$$
$$-\frac{m''}{6}\,n'\,\mathrm{Sin}\,\alpha$$
$$- n''\left[\frac{n'}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha^2 + \frac{m'}{3}\,\mathrm{Sin}\,\alpha\right]\ ^{*)}$$

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## *De motu proprio Stellarum fixarum.*

Si mutationes loci stellae fixae in observationibus invenerimus diversas ab iis, quae ex Praecessione oriantur, differentia tribuitur *motui proprio*. Jam ostendam, quomodo sit hic motus ex observationibus determinandus, et quomodo in reductione stellae loci pro indefinito tempore possit in calculum vocari.

Sumitur motum proprium uniformi confici velocitate et maximum circulum lustrare. Non est quidem dubium, quin hoc utrumque paullulum a veritate abhorreat. Sed quia stellae propter tardiorem incessum per plura saecula tam exiguum orbitae suae spatium metiantur, in eo quod hucusque observatum est hujus spatii, neque abnormitas potuit neque anfractus prodi.

Ut inveniatur motus proprius annuus ex observationibus locorum stellae tempore $1750 + T$ et tempore $1750 + T'$ institutis, locus unus sola Praecessione ad alterius tempus reducatur: hoc calculo aut secundus locus inveniatur pertinens ad Aequatorem temporis $1750 + T$, ergo $\alpha + \Delta\alpha$ et $\delta + \Delta\delta$,

*) Formulas in „Fund. Astr.“ P. 303, quae partem ipsorum $U'''$ et $W'''$ a $m''$ et $n''$ pendentem ostendunt, erroneas esse hic indicatum volo.

ubi $\alpha$ et $\delta$ eam Adscensionem rectam et Declinationem significant, quae sint tempore $1750+T$ observatae, aut invenietur primus locus relatus ad Aequatorem temporis $1750+T'$, ergo $\alpha'+\Delta\alpha'$ et $\delta'+\Delta\delta'$, ubi $\alpha'$ et $\delta'$ erit Adscensio recta et Declinatio tempore $1750+T'$ observata. Per $\alpha$, $\delta$, $\alpha+\Delta\alpha$, $\delta+\Delta\delta$ arcus circuli maximi illo temporis intervallo confectus et angulus, quem ille facit cum Circulo Declinationis pro tempore $1750+T$ definiuntur, sive idem determinatur per $\alpha'$, $\delta'$, $\alpha'+\Delta\alpha'$, $\delta'+\Delta\delta'$ pro tempore $1750+T'$. Invento motu proprio in temporis intervallo et inde annuo motu quoad magnitudinem et directionem, invenietur arcus ab anno $1750+T$ usque ad indefinitum tempus, quod per $1750+t$ designabimus, confectus, et quoniam directio quoque cognita est, reperietur locus pro $1750+t$, relatus ad Aequatorem anni $1750+T$, qui locus sola Praecessione reductus ad annum $1750+t$, quaesitum locum pro hoc tempore suppeditat.

Quum ea, quae hic de Aequatore sunt disputata, eodem jure valeant de Ecliptica, iis, quae diximus, continetur completa solutio problematum de mutatione locorum stellarum respectu motus proprii. Sed quia motus proprius valde exiguus est, ipsius quadratum poterit negligi. Itaque superfluum est, scrutari motum in circulo maximo atque angulum, quem ille faciat cum Circulo Declinationis, quum variationes Adscensionis rectae et Declinationis relatae ad fixum Aequatorem nunc ipsi tempori sint proportionales. Jam formulas ad calculum aptas explicabo.

Usu methodi, quae formulis [10] continetur, habebimus locum pro $1750+T'$ adjecto motu proprio, si loco ipsorum $\alpha$ et $\delta$, $\alpha+\Delta\alpha$ et $\delta+\Delta\delta$ posuerimus in his formulis, sive neglectis potentiis ipsorum $\Delta\alpha$ et $\Delta\delta$, quae ultra primam egrediantur,

$$[18]\quad \begin{cases} \Delta\alpha' = \Delta\alpha[\mathrm{Cos}\theta + \mathrm{Sin}\theta\,\mathrm{Tang}\delta'.\,\mathrm{Cos}(\alpha'+\lambda'-z')] + \dfrac{\Delta\delta}{\mathrm{Cos}\delta}.\,\mathrm{Sin}\,\theta\,\dfrac{\mathrm{Sin}(\alpha'+\lambda'-z')}{\mathrm{Cos}\,\delta'} \\ \Delta\delta' = -\Delta\alpha\,\mathrm{Sin}\theta\,\mathrm{Sin}(\alpha'+\lambda'-z') + \dfrac{\Delta\delta}{\mathrm{Cos}\delta}.\,\mathrm{Cos}\delta'[\mathrm{Cos}\theta + \mathrm{Sin}\theta\,\mathrm{Tang}\delta'\,\mathrm{Cos}(\alpha'+\lambda'-z')] \\ \Delta\alpha = \Delta\alpha'[\mathrm{Cos}\,\theta - \mathrm{Sin}\,\theta\,\mathrm{Tang}\,\delta\,\mathrm{Cos}(\alpha+\lambda+z)] - \dfrac{\Delta\delta'}{\mathrm{Cos}\delta'}.\,\mathrm{Sin}\theta\,\dfrac{\mathrm{Sin}\,(\alpha+\lambda+z)}{\mathrm{Cos}\,\delta} \\ \Delta\delta = \Delta\alpha'.\,\mathrm{Sin}\theta\,\mathrm{Sin}(\alpha+\lambda+z) + \dfrac{\Delta\delta'}{\mathrm{Cos}\delta'}\mathrm{Cos}\delta\,[\mathrm{Cos}\theta - \mathrm{Sin}\theta\,\mathrm{Tang}\delta\,\mathrm{Cos}(\alpha+\lambda+z)] \end{cases}$$

quae formulae eaedem valent, si $\Delta\alpha$, $\Delta\delta$, $\Delta\alpha'$, $\Delta\delta'$ totum et annuum motum significant. Inde sequitur, motum proprium, quamvis uniformem suppositum respectu *fixi* Aequatoris, nequaquam Adscensionis rectae et Declinationis variationes proferre quae sint tempori proportionales. Neque minus ex eodem apparet, motum annuum in Adscensione recta aut Declinatione pro determinato tempore cognitum separatim non sufficere, ad destinandum Adscensionem rectam aut Declinationem pro indefinito tempore, potius non obscurum est, utrumque motum necessarium esse, ut sive Adscensio recta sive Declinatio plane inveniatur.

Ut exemplo utar, eos afferam numeros, ad quos constructae sunt Tabulae stellae polaris in hoc libro contentae:

$$1755 . \alpha = 10^\circ 55' 44'',955; \quad \delta = 87^\circ 59' 41'',12$$
$$1820 . \alpha' = 14^\circ 15' 22'',575; \quad \delta' = 88^\circ 20' 54'',27.$$

Pro his temporibus inveniuntur ex formulis supra memoratis

$$\text{ex [3] .....} \quad \lambda = +0'',8897; \quad +11'',2446$$
$$\text{ex [2] .....} \begin{cases} \psi = +4' 11'',8756; & +58' 45'',7036 \\ \omega = 23^\circ 28' 18'',0002; & 23^\circ 28' 18'',0482. \end{cases}$$

His numeris pro transitu ab anno 1755 ad 1820 inveniuntur [11]

$$z = 24' 53'',8861; \quad z' = 25' 9'',0655; \quad \theta = 21' 43'',9394$$

Inde, secundum formulas [13] sive [14], habebimus locum pro 1755 ad 1820 reductum

$$\alpha' = 14^\circ 18' 54'',703; \quad \delta' = 88^\circ 20' 54'',052$$

Qui locus collatus cum loco observato pro 1820 suppeditabit

$$\Delta\alpha' = +87'',872; \quad \Delta\delta' = +0'',218,$$

sive motum proprium annuum in Adscensione recta et Declinatione, relatum ad Aequatorem anni 1820, quem litteris $h'$ et $i'$ designabo,

$$h' = +1'',351877; \quad i' = +0'',0033538$$

Ut possit per haec Elementa locus inveniri pro alio tempore, e. g. pro 1850, incipiemus ab anno 1820. Hoc modo inveniemus:

$$\alpha + \Delta\alpha = 14^\circ 15' 22'',575 + 30 . 1'',351877 = 14^\circ 16' 3'',1313$$
$$\delta + \Delta\delta = 88^\circ 20' 54'',27 + 30 . 0'',0033538 = 88^\circ 20' 54'',3706$$
$$z = 11' 15'',6173; \quad z' = 11' 50'',0325; \quad \theta = 10' 1'',6846$$
$$z + \lambda = 11' 26'',8619; \quad z' - \lambda' = 11' 34'',7669$$

locum vero pro anno 1850:

$$\alpha' = 16^\circ 15' 19'',527; \quad \delta' = 88^\circ 30' 34'',898.$$

Alias etiam locum pro 1820 sine respectu motus proprii reducere potuissemus ad annum 1850, tum vero secundum formulas [18] calculare, quid motus proprius hic valuisset, quo in calculo posuissemus:

$$\Delta\alpha = 30 . 1'',351877 = +40'',5563$$
$$\Delta\delta = 30 . 0'',0033538 = +0'',1006.$$

Postremo, ut usum declarem formularum [18], annuum motum in Adscensione recta et Declinatione definiam pro anno 1755. Quum pro anno 1820 sit

$$h' = +1'',351877; \quad i' = +0'',0033538$$

habebimus, adhibitis iusuper valoribus ipsorum $z$, $\lambda$, $\theta$, secundum ultimas formulas [18], pro anno 1755,

$$h = +1'',10839; \quad i = +0'',005032$$

Ex quo intelligitur, non modicum oriri vitium supponendo, variationes locorum stellae polo proximae a motu proprio pendentes tempori esse proportionales.

Reliquum est, ut correctiones memorem, quas subeunt coefficientes [17] earum serierum, quibus exprimantur Adscensio recta et Declinatio. Ex iis, quae de mutatione locorum stellarum a motu proprio pendente disserui, elucet, illam plane calculo comprehendi ponendo in coefficientibus [17]

$\alpha + h(t'-t)$ et $\delta + i(t'-t)$ pro $\alpha$ et $\delta$, sive neglectis quadratis ipsorum $h$ et $i$, haec singulis coefficientibus addendo

$$[19]\left\{\begin{array}{ll} \text{ipsi} & U'\ldots\ldots\ldots h \\ & U''\ldots\ldots\ldots hn' \operatorname{Tang}\delta \operatorname{Cos}\alpha + in' \operatorname{Sec}\delta^2 \operatorname{Sin}\alpha \\ & U'''\ldots\ldots\ldots h\left[n'^2 \operatorname{Tang}\delta^2 \operatorname{Cos}2\alpha - \frac{n'm'}{2} \operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{n'^2}{2} \operatorname{Cos}2\alpha\right] \\ & \qquad + i.n' \operatorname{Sec}\delta^2 \operatorname{Cos}\alpha \left[2n' \operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{m'}{2}\right] \\ & W'\ldots\ldots\ldots i \\ & W''\ldots\ldots\ldots - hn' \operatorname{Sin}\alpha \\ & W'''\ldots\ldots\ldots - hn' \operatorname{Cos}\alpha \left[n' \operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{m'}{2}\right] \\ & \qquad - i\,\frac{n'^2}{2} \operatorname{Sec}\delta^2 \operatorname{Sin}\alpha^2 \end{array}\right.$$

Ex formulis [18] non minus, quam ex iis, quas modo dedimus, elucet, nisi Tangens et Secans Declinationis permagnae sint, eas quantitates in Adscensione recta et in Declinatione, quae a motu proprio dependeant, fere tempori esse proportionales, quo in casu utraque independens possit considerari altera ab altera. Tum etiam series, in quibus variationes Adscensionis rectae et Declinationis explicatae sunt, tam cito convergunt, ut, ipsas ultra quadratum temporis continuare, superfluum esse videatur. Id quum profecto saepissime eveniat, jam formulas proferam tum adhibendas, quum locus stellae, cujus Adscensio recta et Declinatio datae sunt pro duabus epochis $1750 + T$ et $1750 + T'$, erit ad tertium tempus $1750 + t$ reducendus. Si datas Adscensiones rectas denotaverimus litteris $\alpha$ et $\alpha'$, Praecessionem annuam in Adscensione recta pro duobus illis temporibus litteris $p$ et $p'$, annuam ejus variationem littera $\Delta p$, sive

$$\Delta p = \frac{p' - p}{T' - T}$$

habebimus Adscensionem rectam pro anno $1750 + t$

$$[20]\ldots\ldots \alpha + (\alpha' - \alpha)\frac{t - T}{T' - T} + \tfrac{1}{2}\Delta p\,(t - T)\,(t - T')$$

Formulam pro Declinatione plane similem fore, non obscurum est. Itaque ut e duobus datis locis inveniri possit tertius, necessarium quidem est, annuam variationem Praecessionis annuae, non ipsam Praecessionem cognoscere.

## *De Nutatione.*

Formulis supra datis pro motu Aequatoris in Ecliptica vera ea pars sola continetur, quae cum ipso tempore procedit, sed completae expressiones illorum $\psi_{,}$ et $\omega_{,}$ periodica etiam membra complectuntur, quae de Nodi Lunaris, Solis et Lunae Longitudine dependeant. Quae periodica Praecessionis membra, quum essent a *Bradlejo* inventa ex observationibus et *Nutationi axis terrae* adscripta, primus omnium *d'Alembertus* plane explicuit. For-

mulae autem pro ipsorum $\psi_{,}$ et $\omega_{,}$ variationibus, ab iis membris ortis, quas litteris $\Delta\psi$ et $\Delta\omega$ significatas esse volumus, varias passae sunt mutationes vel additis parvis membris in prioribus disquisitionibus omissis vel mutata Lunaris massae cognitione. Equidem hanc theoriam denuo tractavi *), et quum massam Lunarem tantam posuissem, quantam ex effectu Nutationis in Adscensiones rectas stellae polaris *Cl. de Lindenavius* esse concluserat, inveni has formulas:

$$[21]\quad \begin{cases} \Delta\psi = -16'',78332\,\mathrm{Sin}\,☊ + 0'',20209\,\mathrm{Sin}\,2☊ - 1'',33589\,\mathrm{Sin}\,2\odot \\ \qquad\qquad - 0'',20128\,\mathrm{Sin}\,2☽. \\ \Delta\omega = +\ 8'',97707\,\mathrm{Cos}\,☊ - 0'',08773\,\mathrm{Cos}\,2☊ + 0'',57990\,\mathrm{Cos}\,2\odot \\ \qquad\qquad + 0'',08738\,\mathrm{Cos}\,2☽. \end{cases}$$

ubi ☊ mediam Longitudinem Nodi ascendentis orbitae Lunaris, ⊙ et ☽ veras Solis et Lunae Longitudines significant. Phaenomenon illud, ex quo *Cl. de Lindenavius* determinationem suam deduxit, videtur aptissimum ad determinandam massam Lunarem.

Quoniam expressiones illorum $\Delta\psi$ et $\Delta\omega$, quas supra memoravi, a Nutatione axis terrae, ergo ab Aequatoris motione quadam oriuntur, Latitudines stellarum non mutantur ab illis, Longitudines autem in eo tantum mutantur, quod a puncto Aequinoctiorum vernali per Nutationem mutato numerantur, quam ob caussam necesse est omnes communem adipiscantur correctionem $\Delta\psi$. Quantitas, quae ex Nutatione redundat in Adscensiones rectas et Declinationes, omni rigore potest calculari, in formulis [11] et [14] positis $\omega_{,}+\frac{1}{2}\Delta\omega$, $\Delta\omega$, $\Delta\psi$, $\alpha'-z'$ et $\alpha+z$ pro $\frac{1}{2}(\omega'+\omega)$, $\omega'-\omega$, $\psi'-\psi$, $\alpha'$ et $\alpha$. Quamquam usui Astronomico in plurimis casibus formulae sufficient, quae solorum $\Delta\psi$ et $\Delta\omega$ rationem habeant, neglectis quadratis potentiisque altioribus, tamen complectar in explicatione statim instituenda quadrata, ut constet, quantum valeant, et, si ultima praecisio hoc ita desiderare videatur, ut possint in calculum vocari.

Designatis igitur stellae media Adscensione recta per $\alpha$, Declinatione per $\delta$, apparentibus vero i. e. Nutatione mutatis per $\alpha'$ et $\delta'$, Longitudine media per $l$, Latitudine autem per $b$, media Obliquitate Ecliptices per $\omega$, habebimus

$$\begin{aligned} \mathrm{Cos}\,\delta\,\mathrm{Cos}\,\alpha &= \mathrm{Cos}\,b\,\mathrm{Cos}\,l \\ \mathrm{Cos}\,\delta\,\mathrm{Sin}\,\alpha &= \mathrm{Cos}\,b\,\mathrm{Sin}\,l\,\mathrm{Cos}\,\omega - \mathrm{Sin}\,b\,\mathrm{Sin}\,\omega \\ \mathrm{Sin}\,\delta &= \mathrm{Cos}\,b\,\mathrm{Sin}\,l\,\mathrm{Sin}\,\omega + \mathrm{Sin}\,b\,\mathrm{Cos}\,\omega \\ \mathrm{Cos}\,\delta'\,\mathrm{Cos}\,\alpha' &= \mathrm{Cos}\,b\,\mathrm{Cos}\,(l+\Delta\psi) \\ \mathrm{Cos}\,\delta'\,\mathrm{Sin}\,\alpha' &= \mathrm{Cos}\,b\,\mathrm{Sin}\,(l+\Delta\psi)\,\mathrm{Cos}(\omega+\Delta\omega) - \mathrm{Sin}\,b\,\mathrm{Sin}\,(\omega+\Delta\omega) \\ \mathrm{Sin}\,\delta' &= \mathrm{Cos}\,b\,\mathrm{Sin}\,(l+\Delta\psi)\,\mathrm{Sin}\,(\omega+\Delta\omega) + \mathrm{Sin}\,b\,\mathrm{Cos}(\omega+\Delta\omega) \end{aligned}$$

*) Fundamenta Astronomiae pro Anno 1755, P. 126, quibus correctiones quasdam adjeci in libro „*Schumacher*, Astronomische Nachrichten", Nr. 34 et 83.

Ex his aequationibus quum fuerint eliminata $l$ et $b$, habebimus

$$[22]\quad \begin{cases} \alpha'-\alpha = \operatorname{Sin}\omega\,\Delta\psi\,[\operatorname{Cotg}\omega + \operatorname{Sin}\alpha\,\operatorname{Tang}\delta] \\ \qquad -\Delta\omega\,.\operatorname{Cos}\alpha\,\operatorname{Tang}\delta \\ \qquad +\frac{1}{2}\operatorname{Sin}\omega^2\,\Delta\psi^2\,[\frac{1}{2}\operatorname{Sin}2\alpha + \operatorname{Cotg}\omega\operatorname{Cos}\alpha\operatorname{Tang}\delta + \operatorname{Sin}2\alpha\operatorname{Tang}\delta^2] \\ \qquad -\operatorname{Sin}\omega\,\Delta\psi\,\Delta\omega\,[\operatorname{Cos}\alpha^2 - \operatorname{Cotg}\omega\operatorname{Sin}\alpha\operatorname{Tang}\delta + \operatorname{Cos}2\alpha\operatorname{Tang}\delta^2] \\ \qquad -\frac{1}{2}\Delta\omega^2\,[\frac{1}{2}\operatorname{Sin}2\alpha + \operatorname{Sin}2\alpha\operatorname{Tang}\delta^2] \\ \delta'-\delta = \operatorname{Sin}\omega\,\Delta\psi\operatorname{Cos}\alpha + \Delta\omega\operatorname{Sin}\alpha \\ \qquad -\frac{1}{2}\operatorname{Sin}\omega^2\,\Delta\psi^2\operatorname{Sin}\alpha\,[\operatorname{Cotg}\omega + \operatorname{Sin}\alpha\operatorname{Tang}\delta] \\ \qquad +\operatorname{Sin}\omega\,.\,\Delta\psi\,\Delta\omega\operatorname{Cos}\alpha\,[\operatorname{Cotg}\omega + \operatorname{Sin}\alpha\operatorname{Tang}\delta] \\ \qquad -\frac{1}{2}\Delta\omega^2\operatorname{Cos}\alpha^2\operatorname{Tang}\delta \end{cases}$$

Substituendo in his expressionibus formulas [21] et ponendo pro $\omega$ Obliquitatem Ecliptices pro initio anni 1800 $= 23^\circ\,27'\,54'',8$, invenientur *primi* ordinis termini

$$[23]\quad \begin{cases} \alpha'-\alpha = -15'',39537\operatorname{Sin}\Omega - [6'',68299\operatorname{Sin}\Omega\operatorname{Sin}\alpha + 8'',97707\operatorname{Cos}\Omega\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad +0'',18538\operatorname{Sin}2\Omega + [0'',08046\operatorname{Sin}2\Omega\operatorname{Sin}\alpha + 0'',08773\operatorname{Cos}2\Omega\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad -1'',22542\operatorname{Sin}2\odot - [0'',53194\operatorname{Sin}2\odot\operatorname{Sin}\alpha + 0'',57990\operatorname{Cos}2\odot\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad -0'',18463\operatorname{Sin}2☽ - [0'',08015\operatorname{Sin}2☽\operatorname{Sin}\alpha + 0'',08738\operatorname{Cos}2☽\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \delta'-\delta = -6'',68299\operatorname{Sin}\Omega\operatorname{Cos}\alpha + 8'',97707\operatorname{Cos}\Omega\operatorname{Sin}\alpha \\ \qquad +0'',08046\operatorname{Sin}2\Omega\operatorname{Cos}\alpha - 0'',08773\operatorname{Cos}2\Omega\operatorname{Sin}\alpha \\ \qquad -0'',53194\operatorname{Sin}2\odot\operatorname{Cos}\alpha + 0'',57990\operatorname{Cos}2\odot\operatorname{Sin}\alpha \\ \qquad -0'',08015\operatorname{Sin}2☽\operatorname{Cos}\alpha + 0'',08738\operatorname{Cos}2☽\operatorname{Sin}\alpha \end{cases}$$

Terminorum *secundi* ordinis ii tantum sunt attentione digni, qui e maximo formularum [21] membro a simplici Nodi Lunaris Longitudine dependente oriuntur. Quibus solis in calculo retentis, et brevitatis caussa ponendo

$$\Delta\omega = 8'',97707\operatorname{Cos}\Omega = a\operatorname{Cos}\Omega$$
$$-\operatorname{Sin}\omega\,.\,\Delta\psi = 6'',68299\operatorname{Sin}\Omega = b\operatorname{Sin}\Omega$$

invenimus terminos *secundi* ordinis

$$\alpha'-\alpha = \frac{bb-aa}{4}\operatorname{Sin}2\alpha\,[\operatorname{Tang}\delta^2 + \tfrac{1}{2}] + \frac{bb}{4}\operatorname{Tang}\delta\,.\operatorname{Cos}\alpha\operatorname{Cotang}\omega$$
$$+[\operatorname{Tang}\delta^2\operatorname{Cos}2\alpha - \operatorname{Tang}\delta\operatorname{Sin}\alpha\operatorname{Cotg}\omega + \operatorname{Cos}\alpha^2]\frac{ab}{2}\operatorname{Sin}2\Omega$$
$$-\left[\frac{bb+aa}{4}\operatorname{Tang}\delta^2\operatorname{Sin}2\alpha + \frac{bb}{4}\operatorname{Tang}\delta\operatorname{Cos}\alpha\operatorname{Cotg}\omega + \frac{bb+aa}{8}\operatorname{Sin}2\alpha\right]\operatorname{Cos}2\Omega$$

$$\delta'-\delta = -\frac{aa\operatorname{Cos}\alpha^2 + bb\operatorname{Sin}\alpha^2}{4}\operatorname{Tang}\delta - \frac{bb}{4}\operatorname{Sin}\alpha\operatorname{Cotg}\omega$$
$$-[\operatorname{Tang}\delta\operatorname{Sin}2\alpha + 2\operatorname{Cotg}\omega\operatorname{Cos}\alpha]\frac{ab}{4}\operatorname{Sin}2\Omega$$
$$-\left[\frac{aa\operatorname{Cos}\alpha^2 - bb\operatorname{Sin}\alpha^2}{4}\operatorname{Tang}\delta - \frac{bb}{4}\operatorname{Sin}\alpha\operatorname{Cotg}\omega\right]\operatorname{Cos}2\Omega$$

Quum partes harum expressionum a $2\Omega$ independentes medium tantum stellae locum mutent, eam ob caussam omitti possunt, reliquae quum ex parte cum formularum [23] membris a $2\Omega$ dependentibus confluant, formulae [23] hanc formam induunt:

$$[23^*]\begin{cases}\alpha'-\alpha = +0'',18545\,\mathrm{Sin}\,2\Omega + [0'',08012\,\mathrm{Sin}\,2\Omega\,\mathrm{Sin}\,\alpha + 0'',08761\,\mathrm{Cos}\,2\Omega\,\mathrm{Cos}\,\alpha]\,\mathrm{Tang}\,\delta \\ \delta'-\delta = +0'',08012\,\mathrm{Sin}\,2\Omega\,\mathrm{Cos}\,\alpha - 0'',08761\,\mathrm{Cos}\,2\Omega\,\mathrm{Sin}\,\alpha\end{cases}$$

Quod residuum, hoc est

$$[24]\begin{cases}\alpha'-\alpha = +0'',0001454\,[\mathrm{Tang}\,\delta^2 + \tfrac{1}{2}]\,\mathrm{Cos}\,2\alpha\,\mathrm{Sin}\,2\Omega \\ \qquad\qquad -0'',0001518\,[\mathrm{Tang}\,\delta^2 + \tfrac{1}{2}]\,\mathrm{Sin}\,2\alpha\,\mathrm{Cos}\,2\Omega \\ \delta'-\delta = -0'',0000727\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,2\alpha\,\mathrm{Sin}\,2\Omega \\ \qquad\qquad -[0'',0000217 + 0'',0000759\,\mathrm{Cos}\,2\alpha]\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,2\Omega\end{cases}$$

Ex quo intelligitur, hanc correctionem pro Adscensione recta tum demum centesimam partem minuti secundi temporis implere, si Declinatio erit $= 88^\circ\,10'$, pro Declinatione autem centesimam partem minuti secundi arcualis aequare, si Declinatio erit $= 89^\circ\,26'$.

## *De Aberratione.*

Directio, in qua stella fixa conspicitur, respectu oculi directio erit lineae immobilis, qua lumen moveatur illud, quod e stella profectum ad oculum perveniat. Quodsi hujus lineae directio praeter oculum $a$ insuper determinatur per punctum $b$, ad quod lumen prius quam ad oculum perveniat, id quod temporibus $t-\theta$ et $t$ evenire supponimus, si praeterea oculus hoc temporis intervallo viam $aa'$ conficit, ubi $a'$ punctum aliquod significat in directione moti oculi, haud difficile est intellectu, rectam $ba'$ esse directionem, qua lumen in spatio moveatur, rectam vero $ba$ directionem esse, in qua stella observetur. Erit igitur inter utramque directionem angulus $aba'$ extensus, quem *Aberrationem luminis Bradlejum* apellavisse constat. Ea phaenomeni explicatio fere cum inventoris explicatione congruit *). Cui superstructa est analysis haec.

Jam tria plana se invicem sub angulis rectis secent in immobili puncto spatii, quorum primum sit parallelum Aequatori, duo reliqua sint ad eundem perpendicularia. Illorum secundum transeat per puncta Aequinoctialia, tertium vero per puncta Solstitialia. Distantiae puncti ab his tribus planis designentur per $x$, $y$, $z$, sumto $x$ positivo, si puncti Adscensio recta ex centro coordinatarum visa intra limites erit 270° et 90°, $y$ positivo, si intra 0 et 180°, $z$ positivo, si Declinatio erit aquilonia. Punctorum $a'$ et $b$ ab his planis distantias tempore $t$ notabo litteris

$$x,\ y,\ z \text{ pro puncto } a'$$
$$x',\ y',\ z' \text{ pro puncto } b$$

Si oculus ad illa tria plana velocitatibus $\frac{dx}{dt}$, $\frac{dy}{dt}$, $\frac{dz}{dt}$ fertur, puncti $a$ coordinatae pro eodem tempore $t$ erunt

$$x - \frac{dx}{dt}.\theta;\quad y - \frac{dy}{dt}.\theta;\quad z - \frac{dz}{dt}.\theta$$

quae expressiones, motu oculi per tempus $\theta$ uniformi posito, prorsus verae sunt. Rem subtilissime perpendentes nos non fugiet, motu oculi posito in-

*) *Lalande, Astronomie.* §. 2829. *Gauss,* Theoria motus corp. coel. P. 68.

aequali, lineam illam respectu oculi immobilem non rectam sed curvam esse. Facile igitur est intellectu, aberrationem in Tubis longitudinis diversae diversam esse, sed insensibilem fore differentiam, non obscurum est, vel tum, quum differentia longitudinum Tuborum millies millies major esset, quam esse potest. Si veram stellae inerrantis directionem per Adscensionem rectam $\alpha$, per Declinationem $\delta$, apparentem vero per $\alpha'$ et $\delta'$ significaverimus, habebimus secundum explicationem supra memoratam

$$\lambda \operatorname{Cos}\delta \operatorname{Cos}\alpha = x'-x$$
$$\lambda \operatorname{Cos}\delta \operatorname{Sin}\alpha = y'-y$$
$$\lambda \operatorname{Sin}\delta = z'-z$$

ubi $\lambda$ distantiam $a'b$ exprimit, praeterea

$$\lambda' \operatorname{Cos}\delta' \operatorname{Cos}\alpha' = x'-x+\frac{dx}{dt}.\theta$$
$$\lambda' \operatorname{Cos}\delta' \operatorname{Sin}\alpha' = y'-y+\frac{dy}{dt}.\theta$$
$$\lambda' \operatorname{Sin}\delta' = z'-z+\frac{dz}{dt}.\theta$$

ubi $\lambda'$ metitur distantiam $ab$. Sed $\theta$ per velocitatem, qua lumen moveatur, exprimi potest: signato ergo tempore, per quod lumen mediam distantiam terrae a Sole percurrit, littera $k$, erit $\theta = \lambda k$. Prioribus igitur aequationibus in posterioribus substitutis, dividendo per $\lambda$, scribendoque $\lambda L$ pro $\lambda'$, inveniemus

$$[25]\quad \begin{cases} L \operatorname{Cos}\delta' \operatorname{Cos}\alpha' = \operatorname{Cos}\delta \operatorname{Cos}\alpha + \frac{dx}{dt}.k \\ L \operatorname{Cos}\delta' \operatorname{Sin}\alpha' = \operatorname{Cos}\delta \operatorname{Sin}\alpha + \frac{dy}{dt}.k \\ L \operatorname{Sin}\delta' = \operatorname{Sin}\delta \qquad + \frac{dz}{dt}.k \end{cases}$$

quibus aequationibus, quum pro velocitatibus in directione trium illarum coordinatarum valores necessarii positi fuerint, problema solutum erit rigore geometrico. Approximatione usque ad membra secundi ordinis incl. illae aequationes suppeditant

$$[26]\quad \begin{cases} \alpha'-\alpha = -k \operatorname{Sec}\delta\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right] \\ \qquad +kk\operatorname{Sec}\delta^2\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right]\left[\frac{dx}{dt}\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\alpha\right] \\ \delta'-\delta = -k\left[\frac{dx}{dt}\operatorname{Sin}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\delta\operatorname{Sin}\alpha - \frac{dz}{dt}\operatorname{Cos}\delta\right] \\ \qquad -\frac{1}{2}kk\operatorname{Tang}\delta\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right]^2 \\ \qquad +kk\left[\frac{dx}{dt}\operatorname{Sin}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\delta\operatorname{Sin}\alpha - \frac{dz}{dt}\operatorname{Cos}\delta\right]\times \\ \qquad \left[\frac{dx}{dt}\operatorname{Cos}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Cos}\delta\operatorname{Sin}\alpha + \frac{dz}{dt}\operatorname{Sin}\delta\right] \end{cases}$$

Reliquum est, ut velocitates oculi in directione trium illarum coordinatarum definiamus. Coordinatis igitur centri Solis significatis per $X$, $Y$, $Z$, distantia terrae a Sole per $r$, Longitudine Solis per $\odot$, Obliquitate Ecliptices per $\omega$, distantia loci observationis a centro terrae per $\varrho$, correcta Latitudine hujus loci per $\varphi'$, Adscensione recta culminantis puncti aequatorialis per $\mu$, invenietur

$$x = X - r \operatorname{Cos}\odot + \varrho \operatorname{Cos}\varphi' \operatorname{Cos}\mu$$
$$y = Y - r \operatorname{Sin}\odot \operatorname{Cos}\omega + \varrho \operatorname{Cos}\varphi' \operatorname{Sin}\mu$$
$$z = Z - r \operatorname{Sin}\odot \operatorname{Sin}\omega + \varrho \operatorname{Sin}\varphi'$$

Harum expressionum completi quotientes differentiales substituendi sunt in formulis [25] et [26], ut completa Aberratio accipiatur. Ex quo apparet, non modo motum oculi respectu Solis esse considerandum, verum etiam ipsum Solarem motum, qui vel ex progressivo Solis in spatio incessu vel e motione Solis circa commune centrum gravitatis totius systematis Solaris oriri possit. Motus autem progressivus, qui pro celeriore vel tardiore incessu majorem vel minorem Aberrationem excitat, hic relinqui poterit, quia Aberratio ex hac profecta caussa mediis stellarum locis se misceat necesse est; periodica vero pars motus Solaris minimas, ut alio loco *) exposui, profert Aberrationes, quae si essent receptae, formulas praeter necessitatem complicatas redderent. Quare solum motum ellipticum centri terrestris motumque terrae rotatum circa axin suum in computatione retinebo.

Differentiando igitur expressiones illorum $x$, $y$, $z$, curaque de legibus Keplerianis rite adhibita, reperietur:

$$\frac{dx}{dt} = \frac{dm}{\sqrt{(1-ee)}dt} \{ \operatorname{Sin}\odot + e \operatorname{Sin}P \} - \varrho \frac{d\mu}{dt} \operatorname{Cos}\varphi' \operatorname{Sin}\mu$$
$$\frac{dy}{dt} = \frac{-\operatorname{Cos}\omega . dm}{\sqrt{(1-ee)}dt} \{ \operatorname{Cos}\odot + e \operatorname{Cos}P \} + \varrho \frac{d\mu}{dt} \operatorname{Cos}\varphi' \operatorname{Cos}\mu$$
$$\frac{dz}{dt} = \frac{-\operatorname{Sin}\omega . dm}{\sqrt{(1-ee)}dt} \{ \operatorname{Cos}\odot + e \operatorname{Cos}P \}$$

ubi $\frac{dm}{dt}$ significat medium Solis motum sidereum eadem, qua $k$ metiamur, temporis unitate expressum, $P$ Longitudinem Perigei, $e$ orbitae terrestris Excentricitatem.

His expressionibus in formulis [26] substitutis et membra inveniuntur periodica, quae a $\odot$ et $\mu$ dependeant, et membra ab his iisdem quantitatibus independentia, quae, quum confluant cum mediis stellarum locis, neque alius momenti esse videatur, ea segregare ab his, negligi poterunt. Sed periodica membra, quatenus a Solis Longitudine pendentia, *annuam* efficiunt Aberrationem, *diurnam* quatenus a tempore sidereo. In primo ordine duae illae Aberrationes sejunctae sunt, in secundo quidem mixtae, sed quod ex diurno motu in membra hujus ordinis redundat, id tam parvi ducendum erit, ut prorsus omitti possit.

*) Fundamenta Astronomiae pro Anno 1755. P. 132.

Igitur hanc utramque Aberrationem separatim examinabo, initiumque ducam ab *annua* Aberratione. Substitutione in formulis [26] facta, omissisque membris independentibus a Longitudine Solari et in secundo ordine Eccentricitate orbitae terrestris neglecta, positoque $\varkappa$ pro

$$\frac{k\ \mathrm{d}m}{\sqrt{(1-ee)}\mathrm{d}t},$$

invenientur

$$\begin{aligned}
\alpha'-\alpha &= -\varkappa \operatorname{Sec}\delta\,[\operatorname{Cos}\odot \operatorname{Cos}\alpha \operatorname{Cos}\omega + \operatorname{Sin}\odot \operatorname{Sin}\alpha] \\
&\quad -\tfrac{1}{4}\varkappa\varkappa \operatorname{Sec}\delta^2[\operatorname{Cos}2\odot \operatorname{Sin}2\alpha(1+\operatorname{Cos}\omega^2)-2\operatorname{Sin}2\odot \operatorname{Cos}2\alpha \operatorname{Cos}\omega] \\
\delta'-\delta &= +\varkappa[\operatorname{Cos}\odot(\operatorname{Sin}\alpha \operatorname{Sin}\delta \operatorname{Cos}\omega - \operatorname{Cos}\delta \operatorname{Sin}\omega) - \operatorname{Sin}\odot \operatorname{Cos}\alpha \operatorname{Sin}\delta] \\
&\quad -\tfrac{1}{8}\varkappa\varkappa \operatorname{Tang}\delta[\operatorname{Cos}2\odot(\operatorname{Cos}2\alpha(1+\operatorname{Cos}\omega^2)-\operatorname{Sin}\omega^2)+2\operatorname{Sin}2\odot\operatorname{Sin}2\alpha\operatorname{Cos}\omega]
\end{aligned}$$

ubi in ultima formula nonnulla membra, non multiplicata in $\operatorname{Tang}\delta$, quippe nunquam millesimam partem minuti secundi adaequantia, omittere non dubitavi.

Valorem ipsius $\varkappa$ secundum *Cl. de Lambre* posui $= 20'',255$, quod proxime accedit ad valorem e *Bradleji* observationibus inventum. Non defuere, qui hunc valorem augendum esse arbitrarentur. Sed quum in eo stellarum maxime consulerent observationes Adscensionum rectarum, illud verendum esse duxi *), ne Maximum Aberrationis in Adscensione recta se Maximo misceat effectus, quem in instrumenta exercent Astronomica diurnae caloris variationes. Quas quum non liceat directe ea qua par est praecisione definire, eas non sine pertractatione rei omnino abesse judicabimus. Itaque posito $\varkappa = 20'',255$, formulae, quae *annuam* Aberrationem exhibent, erunt hae:

$$[27]\quad \begin{cases}
\alpha'-\alpha = -20'',255 \operatorname{Sec}\delta\,[\operatorname{Cos}\odot \operatorname{Cos}\alpha \operatorname{Cos}\omega + \operatorname{Sin}\odot \operatorname{Sin}\alpha] \\
\qquad\quad - 0'',0009157 \operatorname{Sec}\delta^2 . \operatorname{Sin}2\alpha \operatorname{Cos}2\odot \\
\qquad\quad + 0'',0009123 \operatorname{Sec}\delta^2 . \operatorname{Cos}2\alpha \operatorname{Sin}2\odot \\
\delta'-\delta = +20'',255 \operatorname{Cos}\odot[\operatorname{Sin}\alpha \operatorname{Sin}\delta \operatorname{Cos}\omega - \operatorname{Cos}\delta \operatorname{Sin}\omega] \\
\qquad\quad -20'',255 \operatorname{Sin}\odot \operatorname{Cos}\alpha \operatorname{Sin}\delta \\
\qquad\quad +[0'',0000394-0'',0004578 \operatorname{Cos}2\alpha] \operatorname{Tang}\delta . \operatorname{Cos}2\odot \\
\qquad\quad - 0'',0004561 \operatorname{Tang}\delta . \operatorname{Sin}2\alpha \operatorname{Sin}2\odot
\end{cases}$$

Pro stellis, quarum Declinatio minor erit quam 85° 31′, membra secundi ordinis in Adscensione recta non centesimam partem minuti secundi temporalis amplecti poterunt, pro Declinationibus minoribus quam 87° 9′ non ad centesimam partem secundi arcualis ascendere poterunt in Declinatione.

Quum stellae Adscensio recta et Declinatio, Longitudo Solaris et Obliquitas Ecliptices, quae in formulis [27] occurrunt, ad verum pertineant Nutatione jam mutatum Aequatorem, in calculo Aberrationis correctiones erunt addendae, a productis Aberrationis et Nutationis profectae, si quis valoribus a Nutatione non affectis uti velit. Illae correctiones inveniuntur differentiando formulas [27] respectu quantitatum $\alpha$, $\delta$, $\odot$ et $\omega$, et tum ponendo pro $\mathrm{d}\alpha$, $\mathrm{d}\delta$, $\mathrm{d}\odot$, $\mathrm{d}\omega$ effectum Nutationis in easdem quantitates. Quodsi ea sola membra retinentur, quae cum ipsa Declinatione plurimum crescunt i. e. pro Ad-

*) Abhandlungen der mathematischen Classe der Akademie von Berlin, für 1818 bis 1819. P. 26.

scensione recta, quae sunt in Tang $\delta$ Sec $\delta$ multiplicata, pro Declinatione, quae sunt in Tang $\delta$ Sin $\delta$, quantitates d$\odot$ et d$\omega$ nullius momenti ducendae erunt, quare statuere licebit:

$$d\alpha = -[b \operatorname{Sin} \Omega \operatorname{Sin} \alpha + a \operatorname{Cos} \Omega \operatorname{Cos} \alpha] \operatorname{Tang} \delta$$
$$d\delta = -b \operatorname{Sin} \Omega \operatorname{Cos} \alpha + a \operatorname{Cos} \Omega \operatorname{Sin} \alpha$$

quo facile invenietur

$$\alpha' - \alpha = \operatorname{Tang} \delta \operatorname{Sec} \delta \frac{20'',255}{2} \left\{ \begin{array}{l} -(b + a \operatorname{Cos} \omega) \operatorname{Sin} 2\alpha \operatorname{Cos} (\odot + \Omega) \\ +(b \operatorname{Cos} \omega + a) \operatorname{Cos} 2\alpha \operatorname{Sin} (\odot + \Omega) \\ +(b - a \operatorname{Cos} \omega) \operatorname{Sin} 2\alpha \operatorname{Cos} (\odot - \Omega) \\ -(b \operatorname{Cos} \omega - a) \operatorname{Cos} 2\alpha \operatorname{Sin} (\odot - \Omega) \end{array} \right.$$

$$\delta' - \delta = \operatorname{Tang} \delta \operatorname{Sin} \delta . \frac{20'',255}{4} \left\{ \begin{array}{l} -(b + a \operatorname{Cos} \omega) \operatorname{Cos} 2\alpha \operatorname{Cos} (\odot + \Omega) \\ -(b \operatorname{Cos} \omega + a) \operatorname{Sin} 2\alpha \operatorname{Sin} (\odot + \Omega) \\ +(b - a \operatorname{Cos} \omega) \operatorname{Cos} 2\alpha \operatorname{Cos} (\odot - \Omega) \\ +(b \operatorname{Cos} \omega - a) \operatorname{Sin} 2\alpha \operatorname{Sin} (\odot - \Omega) \\ +(b - a \operatorname{Cos} \omega) \operatorname{Cos} (\odot + \Omega) \\ -(b + a \operatorname{Cos} \omega) \operatorname{Cos} (\odot - \Omega) \end{array} \right.$$

sive numeris expressum

$$[28] \left\{ \begin{array}{l} \alpha' - \alpha = \operatorname{Tang} \delta \operatorname{Sec} \delta \left\{ \begin{array}{l} -0'',0007324 \operatorname{Sin} 2\alpha \operatorname{Cos} (\odot + \Omega) \\ +0'',0007418 \operatorname{Cos} 2\alpha \operatorname{Sin} (\odot + \Omega) \\ -0'',0000762 \operatorname{Sin} 2\alpha \operatorname{Cos} (\odot - \Omega) \\ +0'',0001398 \operatorname{Cos} 2\alpha \operatorname{Sin} (\odot - \Omega) \end{array} \right. \\ \delta' - \delta = \operatorname{Tang} \delta \operatorname{Sin} \delta \left\{ \begin{array}{l} -0'',0003662 \operatorname{Cos} 2\alpha \operatorname{Cos} (\odot + \Omega) \\ -0'',0003709 \operatorname{Sin} 2\alpha \operatorname{Sin} (\odot + \Omega) \\ -0'',0000381 \operatorname{Cos} 2\alpha \operatorname{Cos} (\odot - \Omega) \\ -0'',0000699 \operatorname{Sin} 2\alpha \operatorname{Sin} (\odot - \Omega) \\ -0'',0000381 \operatorname{Cos} (\odot + \Omega) \\ -0'',0003662 \operatorname{Cos} (\odot - \Omega) \end{array} \right. \end{array} \right.$$

Si Declinatio 85° 36′ non excedit, haec correctio Adscensionis rectae non assequi poterit centesimam partem minuti secundi temporalis, pro Declinatione minore quam 85° 22′ correctio Declinationis minor erit quam centesima pars minuti secundi arcualis.

Ponendo in formulis [26], ut *diurna* obtineatur Aberratio,

$$\frac{dx}{dt} = -\varrho \frac{d\mu}{dt} \operatorname{Cos} \varphi' \operatorname{Sin} \mu$$
$$\frac{dy}{dt} = +\varrho \frac{d\mu}{dt} \operatorname{Cos} \varphi' \operatorname{Cos} \mu$$
$$\frac{dz}{dt} = 0$$

invenietur

$$\alpha' - \alpha = k\varrho \frac{d\mu}{dt} \operatorname{Cos} \varphi' \operatorname{Cos} (\mu - \alpha) \operatorname{Sec} \delta$$
$$\delta' - \delta = k\varrho \frac{d\mu}{dt} \operatorname{Cos} \varphi' \operatorname{Sin} (\mu - \alpha) \operatorname{Sin} \delta$$

Ut harum formularum factorem a loco stellae independentem numeris exprimamus, habebimus ut supra

$$\frac{k\,\mathrm{d}m}{\sqrt{(1-ee)}\mathrm{d}t} = 20'',255$$

porro

$$\frac{\mathrm{d}\mu}{\mathrm{d}t} = (T+1)\,\frac{\mathrm{d}m}{\mathrm{d}t}$$

ubi $T$ numerum repraesentat mediorum dierum, ergo $T+1$ numerum dierum sidereorum, quos annus sideralis complectitur; postremo erit, significando distantiam loci observationis a centro terrae partibus radii aequatorialis expressam per $\varrho'$

$$\varrho = \varrho' \operatorname{Sin} 8'',5776$$

ubi media parallaxis horizontalis Solis ea est, quam *Cl. Encke* *) derivavit ex diligentissima pervestigatione transituum Veneris per discum Solis annis 1761 et 1769 observatorum. Hinc sequitur

$$k\varrho\,\frac{\mathrm{d}\mu}{\mathrm{d}t} = 0'',30847\,.\,\varrho'$$

et si $\varrho' \operatorname{Cos}\varphi'$ per observatam poli altitudinem $\varphi$ et per eccentricitatem meridianorum terrestrium $\varepsilon$ exprimitur,

$$k\varrho\,\frac{\mathrm{d}\mu}{\mathrm{d}t}\operatorname{Cos}\varphi' = 0'',30847\,\frac{\operatorname{Cos}\varphi}{\sqrt{(1-\varepsilon\varepsilon\operatorname{Sin}\varphi^2)}}$$

Habebimus igitur *diurnam* Aberrationem

$$[29]\quad \begin{cases} \alpha'-\alpha = 0'',30847\,\dfrac{\operatorname{Cos}\varphi}{\sqrt{(1-\varepsilon\varepsilon\operatorname{Sin}\varphi^2)}}\operatorname{Cos} t\operatorname{Sec}\delta \\ \delta'-\delta = 0'',30847\,\dfrac{\operatorname{Cos}\varphi}{\sqrt{(1-\varepsilon\varepsilon\operatorname{Sin}\varphi^2)}}\operatorname{Sin} t\operatorname{Sin}\delta \end{cases}$$

ubi stellae angulus horarius $\mu-\alpha$ significatus est per $t$. Ex quibus formulis elucet, pro superiore culminatione stellae Adscensionem rectam per diurnam Aberrationem quantitate

$$0'',30847\,\frac{\operatorname{Cos}\varphi}{\sqrt{(1-\varepsilon\varepsilon\operatorname{Sin}\varphi^2)}}\operatorname{Sec}\delta$$

augeri, pro inferiore eadem quantitate minui, in utraque vero culminatione Declinationem immutatam manere. In calculo igitur hujus Aberrationis completa ratio habebitur pro observationibus in meridiano institutis, si transitus stellarum per medium Tubi meridiani filum non formula **)

$$m+n\operatorname{Tang}\delta+c\operatorname{Sec}\delta$$

ad meridianum reducuntur, ubi deflexio instrumenti ab orbe meridiano in Aequatore per $m+c$, in polo per $n+c$, vitium collimationis per $c$ (haec omnia tempore expressa et in oriente coeli parte positive sumpta) notata sunt, sed potius formula reducuntur hac

$$m+n\operatorname{Tang}\delta+c'\operatorname{Sec}\delta$$

*) *I. F. Encke*, Venusdurchgang von 1769. P. 108. Gothae, 1824.

**) Beobachtungen auf der Sternwarte in Königsberg. II. Abtheilung.

ubi

$$c' = c - 0'',020565 \frac{\operatorname{Cos}\varphi}{\sqrt{(1-\varepsilon\varepsilon \operatorname{Sin}\varphi^2)}}$$

Aberratio in Longitudine et Latitudine invenietur in formulis [27] ponendo $\omega = 0$, et pro $\alpha$ et $\delta$ Longitudine $l$ et Latitudine $b$, ex quo reperietur

$$[30] \left\{ \begin{array}{l} l' - l = -\varkappa \operatorname{Cos}(\odot - l) \operatorname{Sec} b + \frac{1}{2}\varkappa\varkappa \operatorname{Sin} 2(\odot - l) \operatorname{Sec} b^2 \\ b' - b = -\varkappa \operatorname{Sin}(\odot - l) \operatorname{Sin} b - \frac{1}{4}\varkappa\varkappa \operatorname{Cos} 2(\odot - l) \operatorname{Tang} b \end{array} \right.$$

Ea membra, quae a productis Aberrationis et Nutationis proficiscuntur, pro Longitudine et Latitudine evanescunt.

Planetarum et Cometarum Aberratio erit

$$\alpha' - \alpha = -r'k \triangle\alpha$$
$$\delta' - \delta = -r'k \triangle\delta$$

ubi $\triangle\alpha$ et $\triangle\delta$ ipsorum motus significant medio die confectos, $r'$ eorum distantiam ab observatore et

$$k = \frac{20'',255 \,.\, 365,25637 \sqrt{(1-ee)}}{1296000}$$

$$\operatorname{Log} k = 7\,.\,75646$$

erunt.

Si quis in locis planetae sive cometae Aberrationem ea ratione velit calculo comprehendere, ut loco temporis, pro quo computandi sunt, id tempus assumat, quo lumen ab iisdem proficisceretur, a priore tempore adimenda erit quantitas $r'k$, ubi logarithmus quantitatis $k$, minutis secundis temporalibus expressae, erit $= 2,69298$.

# *Explicatio et usus Tabularum.*

## Tabulae I & II.

### *Reductio diei ad annum fictum.*

Argumentum omnium hujus operis Tabularum, quae quantitates continent a tempore pendentes, series est dierum anni ficti, incipientis eo temporis momento, quo sit media Longitudo Solaris $= 280°$. Quare Tabulae hae immediate locum habebunt in iis terrae meridianis, pro quibus epocha mediae Longitudinis Solaris sit $= 280°$, sed quia Sol conversionem annuam non integro dierum numero conficit, Tabulae alio quoque anno pro alio meridiano valeant necesse est.

Si differentia hujus meridiani a Parisiensi tempore metita, positiveque sumta adversus orientem significatur per $k$, differentia meridiani loci terrae, itidem a meridiano Parisiensi numerata, sed adversus occidentem positive sumpta, notatur per $d$, hujus loci tempori, pro quo quantitates Tabulis contentae inveniendae sunt, priusquam cum ipso in Tabulas introeatur, addenda est $k + d$. Diem, hoc addito numero reductum ad annum fictum, *Diem reductum* appellare placet.

Prima Tabula continet quantitatem $k$ pro quoque anno ab anno 1750 usque ad annum 1850, non solum horis, minutis et minutis secundis, verum etiam millesimis partibus diei expressam. Haec Tabula constructa est secundum ea Solis elementa, quae ex annalibus quondam observationum Solis a *Bradlejo* et a me ipso institutarum derivavi*), quaeque Epocham suppeditant mediae Longitudinis pro anno $1800 + t$ et pro meridiano Parisiensi

$$E = 279° 54' 1'',36 + t \,.\, 27'',605844 + tt \,.\, 0'',0001221805$$
$$- f \,.\, 14' 47'',083$$

ubi $f$ pro anno quodam decimi noni saeculi est residuum $r$, quod restat, si numerus annorum dividatur per 4, pro anno autem decimi octavi saeculi $= r - 4$.

Inde reperietur $k$ secundum formulam:

$$k = \frac{E - 280°}{\text{mot. med. diurn.} \odot}.$$

*) *Schumacher*, Astronomische Nachrichten. Nr. 133.

et ponendo medium Solis motum diurnum $= 59' 8'',3302$,

$$k = -2^h 25' 32'',698 + t \,.\, 11' 12'',18798 + tt \,.\, 0'',002975 - f \,.\, 6^h$$

sive erit decimalibus diei partibus expressum,

$$k = -0,10107289 + t \,.\, 0,0077799535$$
$$+ tt \,.\, 0,000000034433 - \tfrac{1}{4} f.$$

Prior Tabula computata est secundum has formulas, posterior Tabula meridierum continet differentias, quibus spectatissimae speculae Astronomicae distant a specula Parisiensi, sive quantitatem $d$ ad eas determinationes, quae nunc mihi certissimae videntur.

*Exemplum.* Quaeritur Reductio dierum pro anno 1829 et pro specula Regiomontana.

| | | | | |
|---|---|---|---|---|
| Tab. I. | 1829..... | $-3^h\ 0'\ 36'',7$, | sive | $-0,125$ |
| - II. | Regiomontum.. | $-1^h\ 12'\ 39'',0$, | sive | $-0,050$ |
| Reductio dierum anni | 1829..... | $-4^h\ 13'\ 15'',7$, | sive | $-0,175$ |

## Tabula III.

### *Praecessio Aequinoctiorum media.*

Haec Tabula secundum formulas [2], [7] et [16] supra traditas calculata est, eique explicandae supersedere possumus, quum formulae pro annuis variationibus Adscensionis rectae, Declinationis, Longitudinis et Latitudinis inferiori Tabulae margini adscriptae sint.

Praecessiones annuae stellarum a *Bradlejo* observatarum, quae pro 1755 et pro 1800 in „*Fundamentis Astronomiae pro Anno* 1755" expositae sunt, secundum valores ipsorum $m$ et $n$ paulo diversos computatae sunt. Haud superfluum duco, correctiones hic promere illis addendas, ut congruant cum nova illa Praecessionis determinatione, ad quam condita est Tabula III.

Significando adhibitos valores Constantium, a quibus annuae Praecessiones in Adscensione recta et Declinatione pendent, per $m$ et $n$, valores nunc adhibendos per $m + \Delta m$ et $n + \Delta n$, Praecessiones prioribus computatas per $p$, correctas per $p + \Delta p$, habebimus pro $1750 + t$

$$m = 45'',99592 + t \,.\, 0'',0003086450$$
$$n = 20'',05039 - t \,.\, 0'',0000970204$$

porro

$$m + \Delta m = 46'',02824 + t \,.\, 0'',0003086450$$
$$n + \Delta n = 20'',06442 - t \,.\, 0'',0000970204$$

ergo

$$\Delta m = +0'',03232; \quad \Delta n = +0'',01403$$

Inde sequitur pro Adscensione recta

$$p = m + n \operatorname{Tang} \delta \operatorname{Sin} \alpha$$
$$\Delta p = \Delta m + \Delta n \operatorname{Tang} \delta \operatorname{Sin} \alpha$$

et pro Declinatione

$$p = n \operatorname{Cos} \alpha$$
$$\triangle p = \triangle n \operatorname{Cos} \alpha ,$$

et eliminando $\operatorname{Tang} \delta \operatorname{Sin} \alpha$ et $\operatorname{Cos} \alpha$, pro Adscensione recta

$$\triangle p = \triangle m - \frac{m}{n} \triangle n + \frac{p}{n} \triangle n$$

et pro Declinatione

$$\triangle p = \frac{p}{n} \triangle n$$

Hae quantitates numeris expressae erunt, pro Adscensione recta

$$1755 \,.\, \triangle p = + 0'',00013 + p \,.\, 0{,}0006998$$
$$1800 \quad = + 0'',00012 + p \,.\, 0{,}0006999$$

et pro Declinatione

$$1755 \,.\, \triangle p = p \,.\, 0{,}0006998$$
$$1800 \,. \quad = p \,.\, 0{,}0006999$$

ex quo intelligimus, non solum pro 1755 sed etiam pro 1800 correctas Praecessiones cum sufficiente approximatione nos accepturos esse, multiplicando valores in „*Fund. Astr.*“ traditos per 1,0007.

Dum Tabulae hujus operis calculabantur, summus Geometra *Poisson* in lucem edidit disquisitionem de motu terrae circa centrum gravitatis *), in qua, theoria Praecessionis simplicissime et elegantissime tractata, formulas dedit, quae quum Praecessionem Lunisolarem secundum meam determinationem exhibeant, in quantitatibus, quae a motibus orbitae terrestris saecularibus dependent, a *Laplacianis* [2] paullulum differunt. Sed computatio harum Tabularum nimis longe processerat, quam ut potuerim novas illas formulas adhibere. Caeterum sperandum est, fore, ut saeculares orbitae terrestris variationes mox aliquis secundum novam methodum ab Ill. *Gaussio* promulgatam **) et a Cel. *Nicolaio* pro unica epocha (1800) adhibitam ***) ad calculos sit vocaturus. Quo facto, facile erit, formulas [2] corrigere secundum theoriam Poissonianam, ut in iis nihil aliud incerti resideat, quam quod a planetarum massis, non satis cognitis, oriatur.

## Tabulae IV & V.

### *Nutatio pro Longitudine et pro Adscensione recta media Solis atque Obliquitas Ecliptices apparens.*

Nutatio, pro Longitudine et pro Obliquitate Ecliptices in his Tabulis adhibita, computata est secundum formulas [21]. Quarta Tabula prima continet columna correctionem omnibus Longitudinibus communem, quatenus a Longi-

*) Mémoire sur le mouvement de la terre etc. lu à l'académie des sciences le 30. Avril 1827.

**) *Gauss*, Determinatio Attractionis etc. Gottingae, 1818.

***) *Bode*, Astronomisches Jahrbuch für 1820.

tudine Nodi Lunaris dependentem, secunda vero columna similem tempore expressam correctionem mediae Adscensionis rectae Solaris, tertia columna mediam Ecliptices Obliquitatem cum Nutatione Lunari conjunctam. Quinta Tabula continet Nutationem Solarem pro Longitudine et Obliquitate. Supervacaneum videbatur, peculiarem addere Tabulam pro partibus formularum [21] a duplici Longitudine Lunari pendentibus, quippe exiguis et brevis insuper periodi. Utriusque Tabulae Argumentum *dies reductus* est.

Media Ecliptices Obliquitas, quae subest Tabulae IV, non computata est secundum formulam [2], sed secundum eam formulam, quam ex solis observationibus derivavi *), nempe pro $1800 + t$

$$23^\circ\, 27'\, 54'',8 - t\,.\,0'',457$$

Quam formulam duabus postea confirmatam determinationibus, nempe

$$1815 \ldots\ldots 23^\circ\, 27'\, 47'',42$$
$$1825 \ldots\ldots\ldots\ldots 43'',78$$

adhibita disquisitione omnium Regiomonti circa Solem usque ad annum 1825 institutarum observationum, illi duxi anteponendam esse, quia negari non potest, theoriam, cui formula illa superstructa sit, incerti aliquid habere in massis planetarum, observationes contra minimam incertitudinem relinquere de annua Obliquitatis diminutione.

*Exemplum.* Quaeritur Nutatio pro Longitudine et apparens Obliquitas Ecliptices pro meridie Regiomontano die 23. April. 1829.

Adhibitis Tabulis I et II reductio invenietur dierum anni 1829 $= -0,175$; ergo *dies reductus* erit Apr. 22,825, pro quo Tabulae suppeditant

| | Nut. Long. | Obl. Ecl. |
|---|---|---|
| Tab. IV. | $+ 1'',91$ | $23^\circ\, 27'\, 32'',40$ |
| — V. | $- 1'',22$ | $+ 0'',24$ |
| Summa | $+ 0'',69$ | $23^\circ\, 27'\, 32'',64$ |

## Tabulae VI & VII.

### *Conversio Temporis Solaris medii in Tempus sidereum, et vice versa.*

Tabula sexta, computata ab *Angero* meo, mediam continet tempore expressam Adscensionem rectam Solis, conjunctam cum Nutatione Solari pro omnibus anni ficti mediis meridiebus, eamque calculatam esse apparet secundum formulam

$$18\ 40' + n\,.\,3'\,56'',555347 - 0'',081695 \operatorname{Sin} 2\odot$$

in qua $n$ omnes numeros integros ab 0 usque ad 365 significat. Quodsi numeris illa contentis Nutatio addatur ex secunda columna Tab. IV depromenda,

*) Fundamenta Astronomiae etc. P. 61.

quae a Longitudine Nodi Lunaris dependet, medias habebimus a puncto Aequinoctiorum vernali numeratas Solis Adscensiones rectas pro mediis anni ficti meridiebus, quas si pro meridiebus meridiani desideramus, cujus sit a Parisiensi differentia occidentalis $= d$, addendus est motus per tempus $k+d$ confectus (Tab. I et II), quem Tab. VII prima columna subministrat. Si e. g. mediae quaeruntur Adscensiones rectae pro mediis meridiebus Regiomontanis anni 1829, reductionem dierum habemus, ut supra $= -4^h 13' 15'',7$, cui respondet in Tab. VII. Col. 1 motus $-41'',605$, qui conjunctus cum Nutatione Lunari Tab. IV. Col. 2 exhibet

| | | |
|---|---|---|
| pro | Jan. 0 | $-41'',380$ |
| | Apr. 10 | $-41,476$ |
| | Jul. 19 | $-41,572$ |
| | Oct. 27 | $-41,669$ |
| | Dec. 66 | $-41,766$ |

qui numeri, numeris Tab. VI additis, quaesitas suppeditant medias Adscensiones rectas Solis pro mediis meridiebus Regiomontanis anni 1829: e. g. pro Apr. 23 addendae $-41'',488$, quo invenietur tempus sidereum in medio meridie hujus diei $= 2^h 4' 49'',191$.

Si tempus medium $M$ convertendum est in tempus sidereum S, habebimus

$$S = M + \text{Num. Tab. VI} + \text{Nut.} + \text{mot}(M+k+d)$$

ubi motus per tempus $M+k+d$ confectus e *prima* columna Tab. VII depromendus est.

*Exemplum.* Quaeritur tempus sidereum, quod respondeat tempori medio 1829 Apr. 23. $8^h 16' 23'',7$ Regiom.

| | |
|---|---|
| Tempus medium | $8^h 16' 23'',700$ |
| Apr. 23. Tab. VI | $2^h 5' 30'',679$ |
| Nutatio. Tab. IV. Col. 2 | $+ 0'',116$ |
| $M+k+d = 4^h 3' 8'',0$. Tab. VI. Col. 1 | $+39'',941$ |
| Tempus sidereum | $10^h 22' 34'',436$ |

Eadem Tab. VI aeque commode poterit adhiberi ad conversionem temporis siderei in tempus medium, ad quem usum Tabulae VII alia adjecta est columna, quae medium motum Solarem horis, minutis et minutis secundis temporis siderei expressum continet. Significando

$$S - (\text{Num. Tab. VI} + \text{Nut.})$$

per $M'$, habebimus

$$M = M' - \text{mot}(M' + k + d)$$

ubi motus pro tempore $M' + k + d$ e *secunda* columna depromendus est.

*Exemplum.* Quaeritur tempus medium, quod respondeat tempori sidereo 1829 Apr. 23. $10^h 22' 34'',436$ Regiom.

| | | |
|---|---|---|
| Tempus sidereum | | $10^h\,22'\,34'',436$ |
| Apr. 23. Tab. VI | $2^h\,5'\,30'',679$ | |
| Nutatio Tab. IV. Col. 2 | $+0'',116$ | $2^h\,5'\,30'',795$ |
| $M'$ | | $8^h\,17'\,3'',641$ |
| $M'+k+d=4^h\,3'\,47'',941$. Tab. VII. Col. 2 | | $-39'',940$ |
| Tempus medium | | $8^h\,16'\,23'',701$ |

## Tabulae VIII & IX.

*Valores quantitatum ad computationem locorum apparentium stellarum fixarum generaliter inservientium.*

Apparentem stellae fixae Adscensionem rectam $\alpha'$, Declinationem $\delta'$ ex media ejus Adscensione recta $\alpha$, Declinatione $\delta$, datis pro initio anni, secundum formulas sequentes computandas esse suppono:

$$\begin{aligned}
\alpha' = \alpha &+ \tau\,[m + n \operatorname{Tang}\delta \operatorname{Sin}\alpha] + \tau\,.\,\mu \\
&- [15'',39537 + 6'',68299 \operatorname{Tang}\delta \operatorname{Sin}\alpha] \operatorname{Sin}\Omega \\
&- 8'',97707 \operatorname{Tang}\delta \operatorname{Cos}\alpha\,.\,\operatorname{Cos}\Omega \\
&+ [0'',18538 + 0'',08046 \operatorname{Tang}\delta \operatorname{Sin}\alpha] \operatorname{Sin}2\Omega \\
&+ 0'',08773 \operatorname{Tang}\delta \operatorname{Cos}\alpha\,.\,\operatorname{Cos}2\Omega \\
&- [1'',22542 + 0'',53194 \operatorname{Tang}\delta \operatorname{Sin}\alpha] \operatorname{Sin}2\odot \\
&- 0'',57990 \operatorname{Tang}\delta \operatorname{Cos}\alpha\,.\,\operatorname{Cos}2\odot \\
&- 20'',255 \operatorname{Cos}\omega\,.\,\operatorname{Sec}\delta \operatorname{Cos}\alpha\,.\,\operatorname{Cos}\odot \\
&- 20'',255 \operatorname{Sec}\delta \operatorname{Sin}\alpha\,.\,\operatorname{Sin}\odot \\
\delta' = \delta &+ \tau\,.\,n \operatorname{Cos}\alpha + \tau\,.\,\mu' \\
&- 6'',68299 \operatorname{Cos}\alpha \operatorname{Sin}\Omega \\
&+ 8'',97707 \operatorname{Sin}\alpha \operatorname{Cos}\Omega \\
&+ 0'',08046 \operatorname{Cos}\alpha \operatorname{Sin}2\Omega \\
&- 0'',08773 \operatorname{Sin}\alpha \operatorname{Cos}2\Omega \\
&- 0'',53194 \operatorname{Cos}\alpha \operatorname{Sin}2\odot \\
&+ 0'',57990 \operatorname{Sin}\alpha \operatorname{Cos}2\odot \\
&+ 20'',255\,[\operatorname{Sin}\alpha \operatorname{Sin}\delta \operatorname{Cos}\omega - \operatorname{Cos}\delta \operatorname{Sin}\omega] \operatorname{Cos}\odot \\
&- 20'',255 \operatorname{Cos}\alpha \operatorname{Sin}\delta\,.\,\operatorname{Sin}\odot
\end{aligned}$$

In his formulis, ubi $\tau$ significat tempus ab initio anni numeratum (toto anno pro unitate sumpto), $\mu$ et $\mu'$ annuos motus proprios in Adscensione recta et Declinatione, ea membra, quae a quadratis productisque Aberrationis et Nutationis nec non a duplici Longitudine Lunari pendent, neglecta sunt. Priora, ut supra demonstratum est, tantum pro stellis polo proximis alicujus momenti sunt, posteriora, quae locum stellae nunquam decima minuti secundi parte respectu circuli maximi mutant, brevi insuper circumscripta sunt periodo, quo fit, ut ipsorum effectus in medium saepius repetitarum stellae observationum

longe sit minor. Hae igitur formulae in plurimis casibus in locum completarum, quas supra explicui, substitui poterunt.

Statuendo

$$6'',68299 = ni; \quad 15'',39537 - mi = h$$
$$0'',08046 = ni'; \quad 0'',18538 - mi' = h'$$
$$0'',53194 = ni''; \quad 1'',22542 - mi'' = h''$$

formulae, quas modo memoravi, ad hanc formam redigi possunt:

$$\begin{aligned}
\alpha' = \alpha &+ [\tau - i \operatorname{Sin} ☊ + i' \operatorname{Sin} 2☊ - i'' \operatorname{Sin} 2☉] (m + n \operatorname{Tang} \delta \operatorname{Sin} \alpha) \\
&- [8'',97707 \operatorname{Cos} ☊ - 0'',08773 \operatorname{Cos} 2☊ + 0'',5799 \operatorname{Cos} 2☉] \operatorname{Tang} \delta \operatorname{Cos} \alpha \\
&- 20'',255 \operatorname{Cos} \omega \operatorname{Cos} ☉ . \operatorname{Sec} \delta \operatorname{Cos} \alpha \\
&- 20'',255 \operatorname{Sin} ☉ . \operatorname{Sec} \delta \operatorname{Sin} \alpha \\
&+ \tau . \mu \\
&- h \operatorname{Sin} ☊ + h' \operatorname{Sin} 2☊ - h'' \operatorname{Sin} 2☉ \\
\delta' = \delta &+ [\tau - i \operatorname{Sin} ☊ + i' \operatorname{Sin} 2☊ - i'' \operatorname{Sin} 2☉] n \operatorname{Cos} \alpha \\
&+ [8'',97707 \operatorname{Cos} ☊ - 0'',08773 \operatorname{Cos} 2☊ + 0'',5799 \operatorname{Cos} 2☉] \operatorname{Sin} \alpha \\
&- 20'',255 \operatorname{Cos} \omega \operatorname{Cos} ☉ [\operatorname{Tang} \omega \operatorname{Cos} \delta - \operatorname{Sin} \delta \operatorname{Sin} \alpha] \\
&- 20'',255 \operatorname{Sin} ☉ . \operatorname{Sin} \delta \operatorname{Cos} \alpha \\
&+ \tau . \mu'
\end{aligned}$$

Sequentibus autem adhibitis significationibus

$$\begin{aligned}
A &= \tau - i \operatorname{Sin} ☊ + i' \operatorname{Sin} 2☊ - i'' \operatorname{Sin} 2☉ \\
B &= -8'',97707 \operatorname{Cos} ☊ + 0'',08773 \operatorname{Cos} 2☊ - 0'',57990 \operatorname{Cos} 2☉ \\
C &= -20'',255 \operatorname{Cos} \omega \operatorname{Cos} ☉ \\
D &= -20'',255 \operatorname{Sin} ☉ \\
E &= -h \operatorname{Sin} ☊ + h' \operatorname{Sin} 2☊ - h'' \operatorname{Sin} 2☉ \\
a &= m + n \operatorname{Tang} \delta \operatorname{Sin} \alpha \\
b &= \operatorname{Tang} \delta \operatorname{Cos} \alpha \\
c &= \operatorname{Sec} \delta \operatorname{Cos} \alpha \\
d &= \operatorname{Sec} \delta \operatorname{Sin} \alpha \\
a' &= n \operatorname{Cos} \alpha \\
b' &= -\operatorname{Sin} \alpha \\
c' &= \operatorname{Tang} \omega \operatorname{Cos} \delta - \operatorname{Sin} \delta \operatorname{Sin} \alpha \\
d' &= \operatorname{Sin} \delta \operatorname{Cos} \alpha
\end{aligned}$$

habebimus

$$\begin{aligned}
\alpha' &= \alpha + Aa + Bb + Cc + Dd + \tau\mu + E \\
\delta' &= \delta + Aa' + Bb' + Cc' + Dd' + \tau\mu'
\end{aligned}$$

ubi quantitates $A$, $B$, $C$, $D$, $E$, quum pendeant a tempore solo, non a stellae loco, in Tabulas, quarum Argumentum sit tempus, redigi possunt, contra quantitates $a$, $b$, $c$, $d$, $a'$, $b'$, $c'$, $d'$ a stellae tantum loco dependent, ipsaque $a$ et $a'$ annuae sunt, quae in catalogis stellarum inveniuntur, Praecessiones in Adscensione recta et Declinatione.

Secundum has formulas computatio apparentis stellae cujusdam loci e duabus partibus constat, quarum altera postulat logarithmos quantitatum $A$, $B$, $C$, $D$, $\tau$ et quantitatem $E$, quae omnibus stellis communes sunt, altera

contra logarithmos quantitatum $a$, $b$, $c$, $d$, $\mu$; $a'$, $b'$, $c'$, $d'$ $\mu'$ a loco stellae ejusque motu proprio dependentium.

Priorem hujus computationis partem Tabula VIII pro decimo quoque die annorum 1750 usque ad 1849 incl. continet. Logarithmos ipsorum $A$ et $B$ amici computaverunt mihi carissimi, *Dr. a Steinheil* et *Knorre*, qui computationem pro annis 1750 usque ad annum 1800 iterabant, et *Olufsen*, qui computationem susceperat pro annis 1800 usque ad annum 1850. Quo labore haud contemnendam arbitror laudem meruisse homines de Astronomia alias optime meritos. Quod reliquum erat computationis, id ipse vocavi ad calculos.

Jam accuratius explicabo Tabulam. Quantitates $i$, $i'$, $i''$ inveniuntur ponendo pro $m$ et $n$ valores [16]

$$1750 \ldots\ldots i = 0'',33308; \quad i' = 0'',00401; \quad i'' = 0'',02651$$
$$1850 \ldots\ldots\ldots\ldots 0'',33324; \quad 0'',00401; \quad 0'',02652$$

et porro

$$1750 \ldots\ldots k = 0'',0645; \quad k' = 0'',0008; \quad k'' = 0'',0051$$
$$1850 \ldots\ldots\ldots\ldots 0'',0468; \quad 0'',0006; \quad 0'',0037$$

Differentias tempori esse proportionales, supponere possumus. Locus Nodi Lunaris secundum *Bürgianas* Tabulas pro eo temporis momento, quo media Longitudo Solaris initio anni 1800 aequabat 280°, suppositus est $= 33° 15' 25'',9$; ejusque motus retrogradus per annum tropicum $= 19° 20' 29'',53$. Longitudinibus Solis, depromptis e Tabulis meis, adjeci $+ 20'',25$ propter Aberrationem. Ita Longitudines Solares (⊙) necessarias ad computandam Tab. VIII accepi ex sequentibus formulis, in quibus $m$ significat Mediam Longitudinem; Media vero Anomalia pro tempore $1800 + t$ posita

$$\mu = m - [279° 30' 8'',39 + t \,.\, 61'',5171 + tt \,.\, 0'',0002037965],$$

Eccentricitate

$$e = 0{,}0167922585 - t \,.\, 0'',0000004359$$

$$1750 \ldots \odot = m + 20'',25 + 1° 55' 37'',4889 \operatorname{Sin} \mu + 1' 12'',9147 \operatorname{Sin} 2\mu + 1'',0627 \operatorname{Sin} 3\mu + 0'',0177 \operatorname{Sin} 4\mu$$

$$1850 \ldots \odot = m + 20'',25 + 1° 55' 18'',0710 \operatorname{Sin} \mu + 1' 12'',5071 \operatorname{Sin} 2\mu + 1'',0538 \operatorname{Sin} 3\mu + 0'',0175 \operatorname{Sin} 4\mu$$

Annus tropicus, unde dependet $\tau$, est

$$\text{pro } 1750 = 365^d{,}242223490$$
$$\text{pro } 1850 = 365^d{,}242216604$$

Tabula his adhibitis elementis calculata logarithmos continet ipsorum $A$, $B$, $C$, $D$, $\tau$ quantitatemque $E$, quae quum omnibus sit Adscensionibus rectis communis, neque unquam plus quam centesimas partes minuti secundi transcendat, in pluribus casibus negligi poterit. Haec omnia in Tabula inveniuntur pro initio annorum fictorum 1750 .... 1849, et pro iis temporis momemtis, quae 10, 20, 30 .... 370 dies sidereos sequuntur initium. Ea tempora consignavi Jan. 0,10 .... Dec. 36, pro annis autem intercalaribus Jan. 1,11 .... Dec. 36. Itaque Anno tropico, diebus expresso, significatoque

per $T$, quantitates, unde dependent ipsa $A$, $B$ etc... pro anno $1800 + t$, adhibitis formulis

$$\tau = \frac{10n}{T+1}$$

$$\Omega = 33^\circ 15' 25'',9 - t \,.\, 19^\circ 20' 29'',53 - \frac{10n}{T+1} \,.\, 19^\circ 20' 29'',53$$

$$m = 280^\circ + \frac{10n \,.\, 360^\circ}{T+1}$$

calculatae sunt, ubi $n$ omnes numeros integros a 0 usque ad 37 complectitur.

Ex hac Tabulae dispositione apparet, ipsam immediate valere pro $18^h$ $40'$ temporis siderei ejus meridiani, pro quo Epocha mediae Longitudinis Solaris sit $= 280^\circ$. Qua si velis pro eodem tempore sidereo, sed alio meridiano uti, Argumentum erit *Dies reductus*, si velis pro alio tempore sidereo, per $g$ designato, huic Argumento addenda erit quantitas

$$\frac{g - 18^h 40'}{24^h}$$

quae semper positive et $< 1$ erit sumenda, sive addenda erit quantitas

$$g' = \frac{g + 5^h 20'}{24^h}$$

omisso die integro, si $g + 5^h 20' \gtrless 24^h$. Quantitas illa $g'$ in initio Tabulae (P. 16) invenitur tum pro dato tempore sidereo horis et minutis, tum gradibus expressa. Postremo indicatum volo, communem dies numerandi consuetudinem ab ea abhorrere, quae sit in Tabulis supposita. Etenim illa dies inchoat a momento Solis culminantis, haec a momento, quo culminet illud in Aequatore situm punctum, cujus sit Adscensio recta $= 280^\circ$ sive $18^h 40'$. Ergo simul ut Adscensio recta Solaris tempus sidereum $g$ assecuta erit, ita ut hoc illam antegrediatur, diei, secundum communem consuetudinem numerato, unus dies est adnumerandus. Quibus omnibus in unum collectis, haec prodibit Pag. 16 memorata regula ad formandum Argumentum illud, quocum ingrediendum est in Tabulam, nempe:

*Arg.* = *Diei reducto* $+ g' + i$

*ubi* $i = 0$ *ab initio anni usque ad tempus, ubi* $A.R.\odot = g$, *postea vero* $= +1$.

Nunc varios hujus Tabulae usus adhibitis exemplis accuratius explicare in animo est.

I. Si quaeruntur $\alpha' - \alpha$ et $\delta' - \delta$ in hunc finem, ut Ephemeris stellae inveniatur pro Culminationum momentis, sive propositum est, observationum ejusdem stellae in meridiano factarum seriem ad initium anni, quo sunt institutae, reducere, erit $g = \alpha$, unde $g' + i$ regulae convenienter reperitur. Sed Tabulae VIII parum commodus usus est ad interpolandos logarithmos ipsorum $A$, $B$, inprimis ipsorum $C$ et $D$, qua de caussa melius erit hanc interpolationem evitare. Hoc eo fit, si computemus $\alpha' - \alpha$ et $\delta' - \delta$ pro iis temporis momentis, pro quibus quantitates $A$, $B$ etc. data sunt in Tabula;

ex qua facili interpolatione desideratam ephemerida derivare poterimus pro ipsis Culminationis momentis. Haec ego exemplo illustraturus supponam, plures Mensibus Novembri et Decembri anni 1828 Regiomonti factas in Meridiano observationes stellae $\alpha$ *Lyrae* simul esse reducendas. Quoniam $\alpha = 18^h\,31'\,6'',9$, habebimus (Pag. 16) $g' = 0,994$ ($i$ erit $= 0$, quia A. R. $\odot$ nondum assecuta est tempus sidereum, pro quo calculus sit instituendus); Tab. I et II diei reductionem suppeditant $= +\,0,067$. Itaque habebimus Tabulae Argumentum $=$ observationis diei $+\,1,061$. Pro stella hac, quum sit

$$\alpha = 277^\circ\,46'\,44'',\quad \delta = +\,38^\circ\,37'\,42'',\quad \mu = +\,0'',277,\quad \mu' = +\,0'',270,$$

inveniemus

| | | | | | |
|---|---|---|---|---|---|
| Log. $a, b, c, d, \mu$ | 1,4796 | 9,0841 | 9,2387 | 0,1032$n$ | 9,4425 |
| Log. $a', b', c', d', \mu'$ | 0,4337 | 9,9960 | 9,9812 | 8,9268 | 9,4314 |

Quos logarithmos quum logarithmis Tabulae adjecerimus, habebimus producta singula

*pro Adscensione recta*

| | $Aa$ | $Bb$ | $Cc$ | $Dd$ | $\tau\mu$ | $E$ | $\alpha'-\alpha$ | |
|---|---|---|---|---|---|---|---|---|
| Oct. 27 | $+\,26'',79$ | $+\,0'',92$ | $+\,2'',70$ | $-\,14'',04$ | $+\,0'',23$ | $+\,0'',01$ | $+\,16'',61$ | $-\,3'',18$ |
| Nov. 6 | $+\,27,46$ | $+\,0,94$ | $+\,2,35$ | $-\,17,56$ | $+\,0,23$ | $+\,0,01$ | $+\,13,43$ | $-\,2,62$ |
| 16 | $+\,28,23$ | $+\,0,96$ | $+\,1,93$ | $-\,20,56$ | $+\,0,24$ | $+\,0,01$ | $+\,10,81$ | $-\,1,97$ |
| 26 | $+\,29,08$ | $+\,0,99$ | $+\,1,45$ | $-\,22,94$ | $+\,0,25$ | $+\,0,01$ | $+\,8,84$ | $-\,1,25$ |
| Dec. 6 | $+\,30,01$ | $+\,1,00$ | $+\,0,92$ | $-\,24,61$ | $+\,0,26$ | $+\,0,01$ | $+\,7,59$ | $-\,0,47$ |
| 16 | $+\,31,00$ | $+\,1,01$ | $+\,0,36$ | $-\,25,52$ | $+\,0,26$ | $+\,0,01$ | $+\,7,12$ | $+\,0,36$ |
| 26 | $+\,32,02$ | $+\,1,02$ | $-\,0,21$ | $-\,25,63$ | $+\,0,27$ | $+\,0,01$ | $+\,7,48$ | |

*pro Declinatione*

| | $Aa'$ | $Bb'$ | $Cc'$ | $Dd'$ | $\tau\mu'$ | $\delta'-\delta$ | |
|---|---|---|---|---|---|---|---|
| Oct. 27 | $+\,2'',41$ | $+\,8'',40$ | $+\,14'',90$ | $+\,0'',94$ | $+\,0'',22$ | $+\,26'',87$ | $-\,1'',39$ |
| Nov. 6 | $+\,2,47$ | $+\,8,62$ | $+\,12,99$ | $+\,1,17$ | $+\,0,23$ | $+\,25,48$ | $-\,1,82$ |
| 16 | $+\,2,54$ | $+\,8,84$ | $+\,10,67$ | $+\,1,37$ | $+\,0,24$ | $+\,23,66$ | $-\,2,22$ |
| 26 | $+\,2,62$ | $+\,9,04$ | $+\,8,01$ | $+\,1,53$ | $+\,0,24$ | $+\,21,44$ | $-\,2,55$ |
| Dec. 6 | $+\,2,70$ | $+\,9,20$ | $+\,5,10$ | $+\,1,64$ | $+\,0,25$ | $+\,18,89$ | $-\,2,83$ |
| 16 | $+\,2,79$ | $+\,9,30$ | $+\,2,01$ | $+\,1,70$ | $+\,0,26$ | $+\,16,06$ | $-\,3,01$ |
| 26 | $+\,2,88$ | $+\,9,33$ | $-\,1,14$ | $+\,1,71$ | $+\,0,27$ | $+\,13,05$ | |

Ex his valoribus ipsorum $\alpha'-\alpha$ et $\delta'-\delta$ valores pro diebus observationum interpolandi sunt, diebus, ut supra inventum est, addendo quantitatem $+\,1,061$, sive quod idem est, numeri computati non pro diebus adscriptis valent, sed pro his $-\,1,061$. Igitur facillime res expedietur, supponendo, eos pro proximo die integro valere, eorumque variationem addendo pro fractione diei. Itaque in hoc nostro exemplo valores inventi quantitatum $\alpha'-\alpha$

et $\delta' - \delta$, addita variatione per + 0,061 dies, valent pro Oct. 26, Nov. 5, 15 etc., atqui haec variatio sine sensibili errore invenietur, multiplicando fractionem diei per vigesimam partem summae differentiae antecedentis et insequentis. Hoc modo Ephemeris pro Culminationibus *α Lyrae* in Meridiano Regiomontano invenitur:

| 1828 | A. R. | | Decl. | |
|---|---|---|---|---|
| | ″ | | ″ | |
| Oct. 26 | + 16,59 | − 3,18 | + 26,86 | − 1,39 |
| Noc. 5 | + 13,41 | − 2,61 | + 25,47 | − 1,82 |
| 15 | + 10,80 | − 1,97 | + 23,65 | − 2,22 |
| 25 | + 8,83 | − 1,25 | + 21,43 | − 2,56 |
| Dec. 5 | + 7,58 | − 0,46 | + 18,87 | − 2,83 |
| 15 | + 7,12 | + 0,36 | + 16,04 | − 3,01 |
| 25 | + 7,48 | | + 13,03 | |

II. Si plures singulae stellae observationes reducendae sunt ad initium anni, e. g. ad Epocham catologi stellarum componendi, neque quod ex unaquaque observatione separatim prodeat, sed medium illud, quod ex observationibus universis manet, sciscitamur, commodissime res tractari poterit, adhibitis quantitatibus ipsis $A$, $B$, $C$, $D$, $\tau$, non eorum logarithmis. Quo in casu Tabulae VIII usus erit ad condendam Tabulam non-logarithmicam, mutandam in hoc, ut $A$ et $\tau$ non ad initium cujusque anni, sed ad Epocham $T$, ad quam reducendae sint observationes, referantur. Quod fieri potest valoribus Tabula contentis ipsorum $A$ et $\tau$ pro quoque anno, addendo numerum integrum $t - T$, $t$ significante annum observationis. Tabula non-logarithmica commode poterit interpolari, quod vel commodius fieri potest adhibendo vavalores quantitatum $C$ et $D$ pro unoquoque die, datos per Tab. IX. Unicuique igitur loco apparenti observato valores adscribemus quantitatum $A$, $B$, $C$, $D$, $\tau$, $E$, reductionemque habebimus medii arithmetici, ex omnibus observationibus collecti, quum producta addiderimus coefficientium $a$, $b$ etc. et mediorum arithmeticorum ex omnibus valoribus quantitatum $A$, $B$ etc., sumptis signis inversis.

III. Si unicus stellae locus apparens separatim est calculandus, etiam hoc poterit satis commode fieri ope hujus nostrae Tabulae, duabus quidem rationibus, quarum altera nullam aliam praeparationem postulat, altera commodior est, quum necessariam jam adhibuerimus praeparationem. Methodus prior interpolationem supponit Logarithmorum ipsorum $A$ et $B$ in Tabula VIII, sed quia logarithmi ipsorum $C$ et $D$ in eadem Tabula non satis uniformiter crescunt, qui commode interpolari possint, Tabulam IX adjeci, quae hos logarithmos continet pro unoquoque die non solum pro 1750 sed etiam pro 1850. Hoc modo quum variatio saecularis innotuerit, verus valor inveniri poterit pro intermediis annis. Sed in hoc illud notandum est, in logarithmis

ibi tantum esse interpolandum, ubi quantitates, ad quas pertinent, signum algebraicum non mutent, interpolationem vero in vicinia transituum ab uno ad alterum signum magna laborare incommoditate. Hinc sequitur, usum hujus methodi in quibusdam casibus hoc poscere, ut inter ipsos numeros, ad quos logarithmi pertineant, interpoletur. Exemplo utar computatione $\alpha'-\alpha$ et $\delta'-\delta$ pro Culminatione stellae $\alpha$ *Lyrae* die 26. Octob. 1828 pro meridiano Regiomontano:

| | |
|---|---|
| Dies datus ..... | 1828 Octob. 26 |
| Reductio diei ..... | + 0,067 |
| Dies reductus ..... | 1828 Octob. 26,067 |
| $g = 18^h\ 31',1$ ..... $g' =$ | + 0,994 |
| $i$ ..... | 0, |
| Argumentum Tabulae .... | 1828 Octob. 27,061 |

Huic Argumento respondent in Tabb. VIII et IX Log $A$, $B$, $C$, $D$, $\tau$ ..... 9,9485; 0,9283; 1,1917; 1,0448; 9,9135, quorum ope, adhibitis valoribus coefficientium $a$, $b$, etc. supra datis, inveniuntur:

| | | | |
|---|---|---|---|
| $Aa =$ | $+ 26'',80$ | $Aa' =$ | $+ 2'',41$ |
| $Bb =$ | $+ 0,92$ | $Bb' =$ | $+ 8,40$ |
| $Cc =$ | $+ 2,69$ | $Cc' =$ | $+ 14,89$ |
| $Dd =$ | $- 14,06$ | $Dd' =$ | $+ 0,94$ |
| $\tau\mu =$ | $+ 0,23$ | $\tau\mu' =$ | $+ 0,22$ |
| $E =$ | $+ 0,01$ | | |
| $\alpha'-\alpha =$ | $+ 16,59$ | $\delta'-\delta =$ | $+ 26,86$ |

Si haec ratio Tabulas VIII et IX adhibendi in usum vocatur, commodius erit, $Cc'$ calculare ex duabus iisque separatis partibus $C \operatorname{Tang}\omega \operatorname{Cos}\delta - C \operatorname{Sin}\delta \operatorname{Sin}\alpha$, quam quantitatem $c'$ quaerere ex formula e duobus terminis composita.

Altera methodus Tabulae mutationem desiderat. Quoniam habemus:

$$\begin{aligned}\alpha'-\alpha = {} & Am + [An \operatorname{Sin}\alpha + B \operatorname{Cos}\alpha] \operatorname{Tang}\delta \\ & + [C \operatorname{Cos}\alpha + D \operatorname{Sin}\alpha] \operatorname{Sec}\delta \\ & + \tau\mu + E \\ \delta'-\delta = {} & An \operatorname{Cos}\alpha - B \operatorname{Sin}\alpha \\ & + [-C \operatorname{Sin}\alpha + D \operatorname{Cos}\alpha] \operatorname{Sin}\delta + C \operatorname{Tang}\omega \operatorname{Cos}\delta \\ & + \tau\mu'\end{aligned}$$

formulae, ponendo

$$g \operatorname{Cos} G = An \qquad h \operatorname{Cos} H = D$$
$$g \operatorname{Sin} G = B \qquad h \operatorname{Sin} H = C$$

hanc formam induunt:

$$\alpha'-\alpha = Am + E + g \operatorname{Sin}(G+\alpha) \operatorname{Tang}\delta + h \operatorname{Sin}(H+\alpha) \operatorname{Sec}\delta + \tau\mu$$
$$\delta'-\delta = g \operatorname{Cos}(G+\alpha) + h \operatorname{Cos}(H+\alpha) \operatorname{Sin}\delta + C \operatorname{Tang}\omega \operatorname{Cos}\delta + \tau\mu'$$

Quum quantitates

$$Am + E;\ \operatorname{Log} g;\ G;\ \operatorname{Log} h;\ H;\ C \operatorname{Tang}\omega;\ \operatorname{Log}\tau$$

quae a stellarum locis non dependent, in Tabulam redegerimus, cujus sit Argumentum idem, quod jam in Tab. VIII est usurpatum, locum stellae separatim quaesitum facillime computare poterimus, quia omnes hae quantitates facile possunt interpolari. Quam Tabulae VIII immutationem anno 1822 *) quum commendavissem, Cel. *Enckius* in Ephemeridibus suis nunquam satis laudandis Tabulam dedit, quae tamen in hoc abhorret ab illa, qnae hic explicata est, quod non tempori sidereo sed medio tempori est accomodata. Quae dispositio, etiamsi singulus tantum stellae locus computandus est, meo judicio non commodior est quam altera, quam in aliis casibus veram Tabularum reductionibus inservientium perfectionem duco, quoniam, labore non aucto, reductionem suppeditat pro ipsis Culminationum momentis. Optandum est, fore ut Ephemerides in posterum semper similem contineant Tabulam. Primo ejusmodi Tabulas pro saeculo ab anno 1750 usque ad annum 1850 huic operi annectere mihi in animo erat, sed, ne volumen nimis crescat, praetuli, annuis illas Ephemeridibus relinquere.

Quo facilior redderetur usus Tabulae VIII, logarithmos ipsorum $a$, $b$, $c$, $d$; $a'$, $b'$, $c'$, $d'$, et si forte cito variantur, annuas quoque variationes pro 500 stellis lucidis computavit Celeb. *Schumacherus* noster **); *Franciscus Baily* eosdem dedit pro anno 1830 pro stellis 2881 ***). Ejusmodi logarithmos hic non adjeci, primum, quia illos possidemus pro numero stellarum haud exiguo, deinde, quia pro stella, cujus locus semel tantum usurpatur, commodius est, immutationem Tabulae VIII explicatam, hos logarithmos non supponentem adhibere, postremo, quia parvi illos calculandi laboris hoc est praemium, ut, si pro ipso reducendarum observationum tempore quaeruntur, majori gaudeant praecisione, quam si depromuntur e catalogo, qui pro alio tempore illos praebeat. Ceterum pro stellis fundamentalibus horum logarithmorum esset frequens usus, sed pro his peculiares sunt in hoc libro compositae Tabulae, longe commodiores; pro stellis vero in specula Grenovicensi saepius observatis in hunc finem, ut error inde collimationis Quadrantis concluderetur, ipsos infra pro decimo quoque anno proferam.

## Tabula X.

*Adscensiones rectae et Declinationes mediae et apparentes Stellarum* 36 *fundamentalium atque* $\alpha$ *et* $\delta$ *Ursae minoris, ab anno* 1750 *usque ad annum* 1850 *computatae.*

Pervulgatum est, *Maskelynium* 36 stellas inerrantes elegisse, quarum loca sola adhiberet ad comparationem cum reliquis sideribus, eamque ob

*) *Schumacher*, Astronomische Nachrichten. Nr. 18.
**) Astronomische Hülfstafeln für 1822. Hafniae.
***) *Francis Baily*, New tables for facilitating the computation of Praecession, Aberration and Nutation. Londini, 1827.

caussam nomen illis indidisse stellarum *fundamentalium*. Quae quum hac de caussa, tum per longum temporis spatium, quod ipsae *Maskelynii* observationes complectuntur, tum serius ab aliis Astronomis frequentissime sint observatae, prae ceteris stellis accuratam subtilemque desiderant et situs et motus determinationem.

Harum stellarum loca *relativa* inde a *Bradleji* temporibus si tam accurate definita esse supponimus, quam fieri potuit observationibus per hoc temporis intervallum institutis, jam omnes Adscensiones rectas et Declinationes, quae determinatae sint comparatione facta cum illis, quasi unico fundamento niti statuere possumus, nostramque motuum corporum coelestium cognitionem augebimus et confirmabimus, si omnis nostra eaque indefessa cura versabitur in hoc, ut illud unicum fundamentum, i. e. *absolutas* Adscensiones rectas et Declinationes illarum 36 stellarum, in dies accuratius cognoscamus. Longa experientia mihi ipsi *Maskelynii* confirmavit opinionem, numerum stellarum, quas dicimus, sufficere in specula bene instructa, ut observationibus ope instrumentorum meridianorum institutis necessariam semper copiam punctorum, quibuscum illae comparari possint, largiri possimus. Sed quia necesse est ad situm instrumenti rectificandum, 36 illas stellas cum stellis polo propinquis conjungere, in specula Grenovicensi a *Bradleji* temporibus continuae factae sunt observationes circa stellam $\alpha$ Ursae minoris, ejusdemque speculae exemplum aliae speculae secutae sunt. Postquam specula Regiomontana anno 1820 praeclarissimo Circulo Meridiano instructa erat, secundam stellam polarem, nempe $\delta$ Ursae minoris, ope hujus instrumenti unoquoque diei tempore visibilem, adjeci in hunc finem, ut iis quoque temporibus, quibus una alterave prioris stellae Culminatio in nocturnas easque incommodas horas inciderit, correctio instrumenti facilis possit et completa fieri, i. e. per contrarias Culminationes. Has 38 stellas plane sufficere puto usui speculae, cujus sit completa ad observationes meridianas suppellex, neque, si huic numero novae stellae additae fuerint, ullam arbitror fore e numero aucto utilitatem, quae incommodum hujus mutationis *Catalogi fundamentalis* compensare possit. Speculae, in quibus instrumenta meridiana non satis firma gaudent collocatione, aut in quibus observationes instituuntur extra meridianum, numerosiore indigent Catalogo stellarum.

Tabulas illarum 36 stellarum *fundamentalium* nec non utriusque stellae *polaris* hoc libro contentas ita comparatas esse volui, ut stellarum, quas dicimus, apparentes Adscensiones rectas et Declinationes pro quoque tempore intra annos 1750 et 1850 sumpto summa qua fieri possit facilitate, ex iisdem semper elementis petitas suppeditent. Hae Tabulae in quinque Sectiones divisae sunt pro Annis 1750 — 1770, 1770 — 1790, 1790 — 1810, 1810 — 1830, 1830 — 1850; quum omnes 5 Sectiones loca contineant illarum 36 stellarum et stellae $\alpha$ Ursae minoris, quarta et quinta Sectio loca quoque habet stellae $\delta$ Ursae minoris, hujus stellae loca tribus illis prioribus Sectionibus haud adjeci, quia stella illa demum ab anno 1820 stellae polaris vice fungi coepit.

Harum Tabularum Argumentum *Dies reductus* est, qui aut immediate aut additis die integro aut duobus diebus integris (ut pro unaquaque stella in Tabulis exponitur) apparentia stellarum loca pro momentis superiorum Culminationum subministrat. Pro omnibus 36 stellis fundamentalibus sinistra pagina libri pro initio annorum et pro temporibus, quae intervallo 100, 200, 300, 400 dierum sidereorum subsequuntur, summam continet et medii loci pro initio annorum et partium earum Nutationis, quae a Longitudine nodi Lunaris dependent; dextra vero pagina pro decimo quoque die sidereo summam continet et medii motus numerati ab initio anni et Aberrationis et Nutationis Solaris, porro medium pro quoque anno locum, qui in computandis Tabulis adhibitus est. Tabula, quae est in dextra pagina, pro medio cujusque Sectionis anno, nempe anno 1760, 1780, 1800, 1820, 1840, computata est, sed in duabus ultimis columnis continet variationes, quas per decem annos quantitates prioribus columnis contentae patiuntur; numeri autem harum ultimarum columnarum pro Adscensione recta millesimae sunt temporalis secundi partes, pro Declinatione centesimae secundi arcualis partes.

In construendis his Tabulis multum mihi auxilium attulerunt Clar. *Albert*, *Anger* et *Busch*. *Anger* Nutationem Lunarem pro initio et 200$^{mo}$ die sidereo annorum calculavit pro Adscensione recta, idem computavit *Buschius* pro Declinatione, reliqua inde interpolatione derivavi. Cl. *Albert* Tabulam in dextra pagina pro Adscensione recta non solum pro 1750 sed etiam pro 1850 computavit, idem una cum Cl. *Buschio* Tabulam condidit pro Declinatione, ex quo Tabulas pro mediis annis quinque illarum Sectionum et variationes, quas per decem annos patiuntur, conclusi. Quum in omnibus his calculis una plus quam Tabulis contineatur nota decimalis adhibita sit, addita praeterea apta calculi comprobatione, in hanc spem sum adductus, ut certitudo ultimae in Tabulis retentae decimalis ubique usque ad unam unitatem possit confirmari.

Simili modo Tabulae utriusque stellae polaris dispositae sunt. Sed in his Tabulis ea membra, quae a quadratis productisque Aberrationis et Nutationis dependent, quum limitem assecutae essent, ad quam approximatio Tabularum accedit, non neglecta sunt, nec minus non omissa est Nutatio a duplici Longitudine Lunari dependens. In his quoque Tabulis calculandis adjutus sum ab *Angero* meo, qui pro stella $\alpha$ Ursae minoris Tabulas inaequalitatis annuae pro annis 1760, 1780, 1800, 1820, 1840 computavit. Nunc de Tabularum Analysi accuratius exponam, earumque usum exemplis illustrabo.

## 1. *De stellis fundamentalibus.*

Pro 36 stellis fundamentalibus media illa loca pro 1755 posita sunt, quae ex *Bradleji* observationibus computavi *), Adscensiones rectae autem pro 1825

*) Fundamenta Astronomiae pro Anno 1755. Sect. X.

e secundo Regiomontano Catalogo fundamentali, Declinationes vero pro 1820 e determinatione Regiomontana sumptae sunt. *)

His locis positis, adhibitaque formula [20] supra data, Adscensionem rectam pro anno $1750 + t$ habebimus

$$= \alpha + (\alpha' - \alpha)\frac{t-5}{70} + \Delta p\,\frac{t-5\,.\,t-75}{2}$$

Declinationem vero

$$= \delta + (\delta' - \delta)\frac{t-5}{65} + \Delta p\,\frac{t-5\,.\,t-70}{2}$$

ubi $\Delta p$ significat annuam annuarum Praecessionum variationem. Quae loca subsint, hic proferre haud necessiarum duco, quoniam eadem sunt, quae in Catalogo mediorum locorum pro initio cujusque anni juxta Tabulas reperiuntur, sed valores indicabo quantitatis $\Delta p$, ut omnia hic in unum locum collata reperiantur, quae necessaria sint ad Tabulas examinandas.

| | A. R. in temp. | Decl. |
|---|---|---|
| γ *Pegasi* | + 0″,000097 | − 0″,00013 |
| α *Arietis* | + 0,000201 | − 0,00240 |
| α *Ceti* | + 0,000097 | − 0,00316 |
| α *Tauri* | + 0,000109 | − 0,00458 |
| α *Aurigae* | + 0,000184 | − 0,00622 |
| β *Orionis* | + 0,000043 | − 0,00411 |
| β *Tauri* | + 0,000089 | − 0,00540 |
| α *Orionis* | + 0,000031 | − 0,00473 |
| α *Canis majoris* | + 0,000004 | − 0,00380 |
| α *Geminorum* | − 0,000125 | − 0,00527 |
| α *Canis minoris* | − 0,000044 | − 0,00422 |
| β *Geminorum* | − 0,000122 | − 0,00491 |
| α *Hydrae* | − 0,000015 | − 0,00273 |
| α *Leonis* | − 0,000102 | − 0,00233 |
| β *Leonis* | − 0,000077 | − 0,00036 |
| β *Virginis* | − 0,000006 | − 0,00033 |
| α *Virginis* | + 0,000112 | + 0,00153 |
| α *Bootis* | + 0,000012 | + 0,00216 |
| 1α *Librae* | + 0,000156 | + 0,00311 |
| 2α *Librae* | + 0,000155 | + 0,00313 |
| α *Coronae* | + 0,000024 | + 0,00296 |
| α *Serpentis* | + 0,000063 | + 0,00349 |
| α *Scorpii* | + 0,000157 | + 0,00484 |
| α *Herculis* | + 0,000037 | + 0,00387 |
| α *Ophiuchi* | + 0,000035 | + 0,00400 |

*) Astronomische Beobachtungen auf der Königsberger Universitäts-Sternwarte. VII. Abtheilung.

| | | | |
|---|---|---|---|
| α | *Lyrae* ..... | + 0″,000016 | + 0″,00291 |
| γ | *Aquilae* ..... | − 0,000008 | + 0,00376 |
| α | *Aquilae* ..... | − 0,000014 | + 0,00384 |
| β | *Aquilae* ..... | − 0,000015 | + 0,00369 |
| 1α | *Capricorni* ..... | − 0,000081 | + 0,00411 |
| 2α | *Capricorni* ..... | − 0,000081 | + 0,00411 |
| α | *Cygni* ..... | + 0,000024 | + 0,00227 |
| α | *Aquarii* ..... | − 0,000043 | + 0,00227 |
| α | *Piscis austrini* ..... | − 0,000217 | + 0,00149 |
| α | *Pegasi* ..... | + 0,000053 | + 0,00116 |
| α | *Andromedae* ..... | + 0,000177 | − 0,00004 |

Sunt in his 36 stellis 3 stellae duplices, nempe β *Orionis*, α *Geminorum* et α *Herculis*. Quum prima et ultima e duabus constent stellis valde disparibus lumine, data harum stellarum loca ad lucidiorem pertinent, stella vero α *Geminorum* e duabus stellis non admodum inter se diversis composita est; quae quum in Tubis minoris facultatis opticae non disjunctae cernantur, observatae sunt a *Bradlejo*, quasi unica stella esset. Quam ob caussam ponendum est, locum pro 1755 dimidiatae distantiae utriusque stellae respondere. Adscensio recta, quam dedi pro 1825, medium est Adscensionum rectarum utriusque stellae; Declinatio quidem pro 1820 lucidiori stellae insequenti respondet, sed quum haec stella tunc temporis non decima minuti secundi parte propius accederet ad septemtriones, quam dimidiata distantia utriusque stellae, etiam hanc determinationem ad idem punctum pertinere licet supponere, quare omnia in Tabula data loca huic puncto respondent.

Formulae Nutationis et Aberrationis, quae in usum vocatae sunt pro stellis fundamentalibus, eae sunt, quae initio explicationis Tabulae VIII et IX memoratae sunt. Longitudines Nodi Lunaris et Solis, quibus numeri, qui Tabula continentur, computati sunt, non pro initio dierum 0, 10, 20.... anni ficti positae sunt, sed pro

$$0 + \frac{\alpha - 18^h\,40'}{24^h}; \quad 10 + \frac{\alpha - 18^h\,40'}{24^h}; \text{ etc.}$$

quo efficitur, ut numeri Tabulae in anno ficto valeant pro momentis superiorum Culminationum, atque *dies reductus*, sine respectu Adscensionum rectarum stellarum, Tabulae fiat Argumentum illud, quod omnibus sit stellis commune. Sed quia in hac dispositione dies tabularis signatus per Jan. 0 (annis vero bissextis per Jan. 1) is dies sidereus erit, cujus tempore $18^h\,40'$ annus communi consuetudine i. e. a meridie numeratus incipit, perspicuum est, earum stellarum, quarum sit Adscensio recta minor quam $18^h\,40'$, culminationem in Tabula per 0 signatam non die initiali anni sed praecedente fieri, ex quo fieri potest, diei a meridie numerato unum esse diem addendum, priusquam cum ipso ingrediendum sit in Tabulam; pro stellis autem, quarum Adscensio recta sit $\geqq 18^h\,40'$, illud, quod modo diximus, locum non habet. Quod

praeceptum tam diu observatur, donec crescens Solis Adscensio recta Adscensionem stellae transgredi coepit, quo fit, ut culminatio stellae Solis culminationem antegrediatur, ergo consueta dies numerandi ratio a tabulari ratione numerandi uno die recedat. Quibus omnibus in unum collectis haec evadet regula ad formandum Argumentum, quocum ingrediendum sit in Tabulam, ut pro dato die inveniri possit stellae locus apparens, qui superiori ejus Culminationi respondeat:

$$Arg. = Diei\ reducto + i$$

ubi $i$ significat

*a*) pro stella, cujus $AR. \gtreqless 18^h 40'$,
0 ... ab initio anni usque ad tempus ubi $AR\odot =$ $AR.$ stellae, postea vero $+ 1$.

*b*) pro stella, cujus $AR. < 18^h 40'$,
$+ 1$ ... ab initio anni usque ad tempus ubi $AR\odot =$ $AR.$ stellae, postea vero $+ 2$.

Dies, quo Sol Adscensionem rectam cujusque illarum 36 stellarum assequatur, valorque ipsius $i$ ante et post hunc diem in quaque pagina dextra libri secundum hanc regulam memoratur.

Tabulae, quae in dextra pagina invenitur, quaeque summam continet et motus medii, ab anni initio numerati, et Aberrationis et Nutationis Solaris pro decimo quoque die non ad communem consuetudinem differentiae sunt adscriptae, sed vigesima pars summae differentiarum antecedentis et sequentis, quae quasi diurna variatio pro eo tempore, quod in eadem linea reperitur, poterit considerari. Schema Tabulae igitur hoc erit:

| Dies | Numerus | Variat. diurna |
|---|---|---|
| $m$ | $a$ | $b$ |
| $m' = m + 10$ | $a'$ | $b'$ |
| $m'' = m' + 10$ | $a''$ | $b''$ |
| $m''' = m'' + 10$ | $a'''$ | $b'''$ |
| etc. | etc. | etc. |

Si numerus quaeritur $y$, qui ad diem $m + x$ pertineat, habebimus, neglectis differentiis secundam transcendentibus,

$$y = a + xb + xx \cdot \frac{b' - b}{20}$$

Sed quoniam quantitas $b' - b$ nunquam major reperitur 6,3 unitatibus ultimae notae decimalis Tabulae, sequitur, membrum ultimum, quum nunquam, si $x \gtreqless \frac{1}{2}$, decimam talis unitatis partem assequatur, in hoc casu posse negligi. Ex quo commodissima prodit ratio Tabulam adhibendi ad condendam Ephemerida. Si $i'$ erit numerus integer, sive major sive minor Reductione diei $+ i$, sed non ultra $\frac{1}{2}$ distans, numeri, qui Tabula continentur, additis insuper productis $bx$, ubi $x = Reductioni\ diei + i - i'$, pro diebus valent, qui intervallo $i'$ dierum eos, qui sunt in Tabula, antegrediuntur.

*Exemplum* I. Quaeruntur apparentes Adscensiones rectae stellae *α Lyrae* pro superioribus Culminationibus Regiomonti inde a die 27. Octob. 1828 usque ad finem anni.

Reductio diei ..... + 0,067; ..... + 0,067
*i* ante Decbr. 28 ..... + 1 ; postea + 2
Summa ..... + 1,067; ..... + 2,067
$x$ = + 0,067; *i'* ..... + 1 ; ..... + 2

E Tabula pro *α Lyrae* in Sect. IV. invenitur:

| | | | Var. 8 ann. | *bx* | | |
|---|---|---|---|---|---|---|
| Oct. 27 | 18h 31′ 7″,172 | + 0″,854 | + 0″,002 | − 0″,001 | Oct. 26 | 18h 31′ 8″,027 |
| Nov. 6 | 7,166 | + 0,649 | + 0,002 | − 0,001 | Nov. 5 | 7,816 |
| 16 | 7,160 | + 0,480 | + 0,002 | − 0,001 | 15 | 7,641 |
| 26 | 7,154 | + 0,355 | + 0,001 | − 0,001 | 25 | 7,509 |
| Dec. 6 | 7,148 | + 0,279 | + 0,001 | 0,000 | Dec. 5 | 7,428 |
| 16 | 7,142 | + 0,254 | + 0,001 | 0,000 | 15 | 7,397 |
| 26 | 7,136 | + 0,283 | 0,000 | 0,000 | 25 | 7,419 |
| 36 | 7,130 | + 0,365 | 0,000 | + 0,001 | 34 | 7,496 |

*Exemplum* II. Quaeritur, quanta horologii correctio ex sequentibus in specula Regiomontana die 19. Jul. 1826 observatis culminationibus prodeat:

*α Tauri* ..... 4h 25′ 33″,93
*α Aurigae* ..... 5 3 28,59
*β Orionis* ..... 5 5 47,44
*β Tauri* ..... 5 14 55,25
*α Orionis* ..... 5 45 22,16

Reductio diei est = − 0,449, *i* = + 2, Argumentum erit Jul. 20,551, quocum e Tabula invenitur:

| | | | | A. R. appar. | Corr. horol. |
|---|---|---|---|---|---|
| *α Tauri* ..... | 4h 25′ 57″,730 | + 1″,044 | − 0,001 | 4h 25′ 58″,773 | + 24″,84 |
| *α Aurigae* ... | 5 3 52,298 | + 1,045 | − 0,002 | 5 3 53,341 | + 24,75 |
| *β Orionis* .... | 5 6 11,541 | + 0,590 | − 0,001 | 5 6 12,130 | + 24,69 |
| *β Tauri* ..... | 5 15 19,050 | + 0,944 | − 0,001 | 5 15 19,993 | + 24,74 |
| *α Orionis* .... | 5 45 46,158 | + 0,677 | − 0,001 | 5 45 46,834 | + 24,67 |
| | | | Medium. 5h 7′ temp. horologici ..... | | + 24,738 |

Superfluum videtur, similia pro Declinatione afferre exempla.

## 2. *α Ursae minoris.*

Medium hujus stellae locum pro 1755 secundum *Bradleji* observationes *) hunc esse supposui

*) Fundamenta Astronomiae pro Anno 1755. P. 325 et P. 143.

$$\alpha = 10^\circ 55' 44'',955; \quad \delta = 87^\circ 59' 41'',12$$

medium vero ejusdem stellae locum pro 1820 secundum observationes in specula Regiomontana institutas hunc

$$\alpha' = 14^\circ 15' 22'',575; \quad \delta' = 88^\circ 20' 54'',27$$

Primo loco secundum formulas supra datas [13] ad annum 1820 reducto, invenientur

$$\alpha' = 14^\circ 13' 54'',703; \quad \delta' = 88^\circ 20' 54'',052$$

ex quo proprius motus per 65 annos confectus, ad stellae locum pro anno 1820 relatus reperietur

$$\text{in } AR. = +87'',872; \quad \text{in Decl.} = +0'',218$$

sive annuus

$$\text{in } AR. = +1'',351877; \quad \text{in Decl.} = +0'',0033538$$

His usus sum quantitatibus, ut ope finitarum formularum, quas supra tradidi, media loca pro decimo quoque anno computarem, ex quo interpolando eos, quos Tabula exhibet, inveni valores.

Hujus stellae nunc inde a 15 annis in specula Regiomontana continuae sunt factae observationes. In quibus ab anno 1814 usque ad annum 1819 incl. usus sum Tubo meridiano a *Dollondio* fabricato, ab anno autem 1820 usque ad hodiernum diem Circulo meridiano confecto a *Reichenbachio* et *Ertellio*. Ex quibus observationibus, pro quoque anno separatim reductis, ea loca media accepi, quae hic proferam, additis insuper differentiis, quibus a Tabula distent:

| | A. R. med. temp. expr. | Decl. med. | Differentiae Tabulae A. R. | Decl. |
|---|---|---|---|---|
| | h ′ ″ | ° ′ ″ | ″ | ″ |
| 1814 | 0 55 34,870 | ——— | + 0,66 | ——— |
| 1815 | 55 48,972 | ——— | + 0,68 | ——— |
| 1816 | 56 3,451 | ——— | + 0,41 | ——— |
| 1817 | 56 17,825 | ——— | + 0,32 | ——— |
| 1818 | 56 32,282 | ——— | + 0,23 | ——— |
| 1819 | 56 46,678 | ——— | + 0,29 | ——— |
| 1820 | 57 1,583 | 88 20 54,43 | − 0,08 | − 0,16 |
| 1821 | 57 16,110 | 21 13,52 | + 0,02 | + 0,19 |
| 1822 | 57 31,092 | 21 33,28 | − 0,26 | − 0,13 |
| 1823 | 57 46,833 | 21 52,40 | − 1,20 | + 0,18 |
| 1824 | 58 1,632 | 22 11,85 | − 1,12 | + 0,15 |
| 1825 | 58 15,470 | 22 31,26 | + 0,02 | + 0,16 |
| 1826 | 58 31,248 | 22 50,64 | − 0,70 | + 0,19 |
| 1827 | 58 46,066 | 23 10,10 | − 0,36 | + 0,14 |
| 1828 | 59 2,258 | 23 29,43 | − 1,31 | + 0,21 |

In hoc observandum esse duco, Adscensiones rectas minus inter se congruere, quam postulare videantur frequentes observationes praeclarissimo ad-

hibito instrumento, diligentissime collocato. Etiam illud notandum, observationes vernales et aestivas semper Adscensiones rectas exhibere 3″ temp. fere majores quam autumnales et hiemales, quod, quum et in vetustiore et in recentiore instrumento locum habeat, minuendam esse Aberrationem indicaret, nisi ex Adscensionum rectarum observationibus, ut jam supra monui, incerta semper esset Aberrationis determinatio.

Tabula pro hac stella comparata plane similis est illi, quam pro 36 illis stellis fundamentalibus explicavi, sed amplitudine est paullo major, quod propter propiorem stellae situm ad polum nonnulla membra, quae a quadratis productisque Aberrationis et Nutationis proficiscuntur, jam alicujus momenti sunt, et quod proposito convenit eas partes Nutationis, quae a duplici Longitudine Lunari dependent, non negligere. Quare Tabula pro summa et medii loci pro initio anni et Nutationis, Argumenta quoque ☉ + ☊ et ☽ continet, expressa millesimis peripheriae partibus et respondentia iisdem temporis momentis, quibus ceterae columnae Tabulae respondent. Duae insequentes Tabellae perturbationes continent Adscensionis rectae et Declinationis ab his Argumentis dependentes. Caeterum secunda Tabula, nempe illa, qua *annuae* continentur correctiones, non pro stellae loco, qui est initio annorum 1760, 1780, 1800, 1820, 1840, sed pro eo, qui unicuique diei illa contento respondeat, computata est. Quam ob caussam annua variatio primae et tertiae columnae, quae est in ejus secunda et quarta columna, per *integrum* semper annorum numerum inter epocham Tabulae et eum numerum anni, pro quo calculus instituendus, est multiplicanda.

*Exemplum.* Quaeritur stellae locus pro inferiore Culminatione die 20. Julii 1826 in meridiano Regiomontano.

| | |
|---|---|
| Dies reductus ..... | 1826 Jul. 19,551 |
| *i* ..... | + 1,500 |
| Argumentum Tabulae ..... | 1826 Jul. 21,051 |

| | | | ☉ + ☊ | ☽ |
|---|---|---|---|---|
| | h ′ ″ | ° ′ ″ | | |
| Tab. prima suppeditat ..... | 0 58 45,21 | 88 22 55,35 | 471 | 484 |
| — secunda pro 1820 ..... | +17,89 | − 8,39 | 522 | 375 |
| — — Var. pro 6 annis .... | + 0,19 | − 0,04 | 993 | 859 |
| ☉ + ☊ = 993 ..... | − 0,03 | —— | | |
| ☽ = 859 ..... | + 0,09 | + 0,07 | | |
| Locus apparens ..... | 0 59 3,35 | 88 22 46,99 | | |

## 3. δ *Ursae minoris.*

Praeter medium locum pro anno 1755, deductum ex observationibus *Bradlejanis*, nempe

$$\alpha = 282^\circ 39' 4'',4; \quad \delta = 86^\circ 30' 51'',5$$

locum pro anno 1824 derivatum ex observationibus Regiomontanis, nempe

$$\alpha' = 277^\circ 15' 41'',61; \quad \delta' = 86^\circ 34' 52'',04$$

Tabulae subesse volui. Locus ultimus reductus ad annum 1755 suppeditat

$$\alpha = 282^\circ 39' 35'',58; \quad \delta = 86^\circ 30' 52'',267$$

unde concluditur, proprium per 69 annorum intervallum motum, ad locum anni 1755 relatum, esse

$$+ 31'',18 \quad \text{et} \quad + 0'',767$$

sive annuum motum proprium

$$+ 0'',451884 \quad \text{et} \quad + 0'',011116.$$

His adhibitis elementis Tabula eodem modo ut pro stella *α Ursae minoris* secundum finitas formulas computata est.

Circa hanc stellam per 9 annos in specula Regiomontana continuae institutae sunt observationes, ex quibus media loca pro annis 1820 usque ad annum 1828 ea accepi, quae hic proferam, additis differentiis, quibus Tabula P. 521 inserta ab illis discrepet.

| | A. R. med. temp. expr. | Decl. med. | Differentiae Tabulae A. R. | Differentiae Tabulae Decl. |
|---|---|---|---|---|
| | h ′ ″ | ° ′ ″ | ″ | ″ |
| 1820 | 18 30 18,981 | 86 34 41,65 | + 0,14 | − 0,03 |
| 1821 | 30 0,007 | 34 44,34 | + 0,04 | − 0,07 |
| 1822 | 29 41,095 | 34 46,67 | − 0,13 | + 0,22 |
| 1823 | 29 22,138 | 34 49,23 | − 0,26 | + 0,24 |
| 1824 | 29 2,938 | 34 52,04 | − 0,19 | 0,00 |
| 1825 | 28 43,363 | 34 54,85 | + 0,30 | − 0,27 |
| 1826 | 28 24,264 | 34 57,31 | + 0,29 | − 0,23 |
| 1827 | 28 5,674 | 34 59,12 | − 0,25 | + 0,44 |
| 1828 | 27 46,254 | 35 2,55 | + 0,04 | − 0,53 |

Observationes Adscensionum rectarum hujus stellae minores praebent differentias, quam expectari potuit pro experientia in stella *α* Ursae minoris facta, quod non modo valet de ipsis Adscensionum rectarum differentiis, verum etiam de productis earum in Cosinum Declinationis. Quum Tabula sit illi, quam pro stella *α Ursae minoris* dedi, plane similis, neque ulla alia re discrepet ab illa, quam correctione, ab Argumento ☉ + ♋ dependente, quam hic propter exiguum valorem negleximus, nihil attinet, Tabulam exemplo illustrare.

## Tabula XI.

*Declinationes stellarum in specula Grenovicensi saepe observatarum.*

Stellae, quas dicimus, sunt: *h*, *η*, *μ*, *ν*, *γ*, *ε*, *ζ* Geminorum et *γ* Draconis, quae jam a *Flamsteedio* frequenter observatae sunt, ut inde Quadran-

tis error collimationis deduci posset. Quem morem jure retinuerunt *Bradlejus* et *Maskelynius*. Quo facilior in his stellis redderetur apparentium Declinationum computatio, medias in hac Tabula dedi Declinationes pro decimo quoque anno ab anno 1750 usque ad annum 1850, earumque annuas variationes, quibus ad initium cujusque anni reduci poterunt. Praeterea logarithmos addidi numerorum constantium, qui in usu Tabulae VIII adhibentur, nempe logarithmos ipsorum $a'$, $b'$, $c'$, $d'$, $\mu'$.

Medias septem illarum Geminorum stellarum Declinationes pro anno 1755 tales esse accepi, quales e *Bradleji* observationibus, pro 1820 vero, quales ex observationibus Regiomontanis *) conclusi:

| | 1755 | 1820 |
|---|---|---|
| | ° ′ ″ | ° ′ ″ |
| *h* Geminorum ..... | + 23 15 2,1 | + 23 15 45,01 |
| η — — ..... | 22 33 8,0 | 22 32 55,96 |
| μ — — ..... | 22 36 50,2 | 22 35 45,59 |
| ν — — ..... | 20 20 31,3 | 20 18 58,65 |
| γ — — ..... | 16 35 2,8 | 16 32 35,70 |
| ε — — ..... | 25 20 52,1 | 25 17 57,20 |
| ζ — — ..... | 20 54 20,3 | 20 49 29,82 |

Praecessiones annuas motumque proprium per 65 annos confectum inveni:

| | 1755 | 1820 | Mot. propr. |
|---|---|---|---|
| *h* Geminorum ..... | + 0″,9422 | + 0″,5969 | − 7″,111 |
| η — — ..... | − 0,0078 | − 0,3510 | − 0,379 |
| μ — — ..... | − 0,7120 | − 1,0558 | − 7,156 |
| ν — — ..... | − 1,2610 | − 1,5975 | + 0,251 |
| γ — — ..... | − 2,0585 | − 2,3846 | − 2,699 |
| ε — — ..... | − 2,5188 | − 2,8654 | + 0,087 |
| ζ — — ..... | − 4,3053 | − 4,6335 | + 0,031 |

unde numeri Tabulae sequuntur.

Mediae Declinationes stellae γ Draconis omnibus observationibus, quae sunt Grenovici ope Sectoris Zenithalis circa hanc stellam factae, nituntur. Ex quibus sequentem inveni expressionem septentrionalis distantiae zenithalis pro tempore $1800 + t$:

$$2'\,26'',669 - t\,.\,0'',71394 + tt\,.\,0'',001011$$

Hujus expressionis secundus terminus a mutatione Praecessionis originem duxit. Ejusdem expressionis cum observationibus haec est consensio:

*) Astronomische Beobachtungen auf der Königsberger Universitäts-Sternwarte. VIII. Abtheilung. P. V.

| | Dist. a V. observ. | Numer. observ. | Error formulae |
|---|---|---|---|
| 1750 | 3′ 4″,91 | 12,0 | − 0″,02 |
| 1751 | 3,81 | 7,9 | + 0,27 |
| 1751 | 4,35 | 8,9 | − 0,27 |
| 1752 | 4,01 | 8,9 | − 0,74 |
| 1753 | 3,14 | 7,5 | − 0,68 |
| 1754 | 0,08 | 6,0 | + 1,57 |
| 1768 | 2 50,36 | 21,0 | + 0,19 |
| 1777 | 43,78 | 18,8 | − 0,16 |
| 1785 | 38,79 | 4,0 | − 1,18 |
| 1800 | 26,72 | 24,5 | − 0,05 |
| 1801 | 26,10 | 18,2 | − 0,14 |
| 1802 | 24,72 | 18,5 | + 0,53 |
| 1802 | 24,37 | 30,0 | + 0,88 |
| 1805 | 22,20 | 37,9 | + 0,93 |
| 1809 | 19,85 | 26,7 | + 0,48 |
| 1810 | 18,96 | 19,0 | + 0,67 |
| 1811 | 19,46 | 27,8 | − 0,52 |
| 1811 | 19,98 | 21,0 | − 1,04 |
| 1812 | 18,94 | 56,8 | − 0,69 |

Ut ex hujus stellae distantiis zenithalibus eae Declinationes derivarentur, quae Tabula contineantur, altitudinem poli Grenovicensem esse posui = 51° 28′ 39″,6, non, quod hanc determinationem *Pondianae* anteponam, sed quod ope ejusdem facta est Quadrantis, qui easdem quoque observationes suppeditavit, quae positis in XI Tabula Declinationibus sunt reducendae.

Non necessarium est, exemplo illustrare, quomodo possint ope Tabularum XI et VIII apparentes Declinationes illarum 8 in priore Tabula contentarum stellarum inveniri, quum explicatio 8vae Tabulae ad hoc sufficere videatur. Contra utendum puto hac opportunitate, ut exponam, quomodo mea quidem sententia ad calculum vocandae sint Grenovicenses ope Quadrantis muralis institutae observationes, si dubitationes illas evitare velis, quas affert instrumenti mutatio, a longo profecta usu, sed demum versus annum 1810 animadversa.

Si distantiam zenithalem, quae Quadrante murali observata sit, addita Refractione, significaverimus per $z$, Declinationem stellae observatae per $\delta$, jam $z + \delta$ poli altitudinem exprimeret, modo Quadrans neque collimationis vitio, neque aliis affectus esset vitiis. Si ea, quae sunt distantiae zenithali addenda, ut ab his vitiis liberetur, notaverimus per $c(z)$, poli altitudinem habebimus hanc

$$\varphi = z + \delta + c(z)$$

Si functionis $c(z)$ hanc esse formam $c + c' \operatorname{Cos} z + c'' \operatorname{Sin} z$ supposuerimus, quae vel vitio collimationis in puncto verticali, vel cuidam excentricitati, vel effectui gravitatis in partes instrumenti respondeat, eamque formulam si ponendo $\varphi - \delta$ pro $z$ mutaverimus in hanc

$$c + a \operatorname{Cos} \delta + b \operatorname{Sin} \delta$$

observatio cujusque stellae, cujus Declinatio ponitur cognita, aequationem affert

$$\varphi - c - a \operatorname{Cos} \delta - b \operatorname{Sin} \delta = z + \delta$$

sive

$$\varphi - c - a + 2a \operatorname{Sin} \tfrac{1}{2}\delta^2 - b \operatorname{Sin} \delta = z + \delta$$

quam nunc signabo per

$$\varphi' + \alpha \operatorname{Sin} \delta + \beta \operatorname{Sin} \tfrac{1}{2}\delta^2 = z + \delta.$$

Jam solutio problematis, inveniendi Declinationem ignotam $D$ ex distantia zenithali $Z$, Quadrante observata atque a Refractione liberata, manifesto in hoc versatur, ut quantitates $\varphi'$, $\alpha$, $\beta$ ex observationibus stellarum, quarum Declinationes *cognitae* sint, determinentur, sive ut ex expressione

$$D = \varphi' + \alpha \operatorname{Sin} D + \beta \operatorname{Sin} \tfrac{1}{2} D^2 - Z$$

eliminentur.

Omnes hujus problematis tres incognitae ponendae sunt variabiles et ab interioribus, anno 1810 animadversis mutationibus Quadrantis dependentes. Quarum prima, quae errorem collimationis continet, etiam a mutationibus retis filorum, subitisque aliis instrumenti perturbationibus, e. g. a quadam fortuita offensione dependet. Ita quantitates $\alpha$ et $\beta$ cum ipso tempore continuo procedere, quantitatem vero $\varphi'$ subitis obnoxiam esse mutationibus, statuere licet.

Huic rei conditioni haec ratio in Quadrantis cognitionem inquirendi maxime adaptata esse videtur. Postquam omnes observatae a Vertice distantiae stellarum 36 fundamentalium, nec non 7 stellarum Geminorum atque $\gamma$ Draconis Refractione atque Declinatione apparenti auctae sunt, ita ut quaevis earum valorem quantitatis $\varphi' + \alpha \operatorname{Sin} \delta + \beta \operatorname{Sin} \frac{1}{2}\delta^2$ suppeditet, ante omnia in tempora inquirendum est, ubi linea collimationis subitas mutationes experiebatur. Haec tempora limites erunt *Periodorum*, intra et extra quas una incognitarum $\varphi'$ tamquam aequalis spectari non licet; sed si observationes in quaque harum periodorum (secundum methodum minimorum quadratorum) ita combinantur, ut $\varphi'$ eliminetur, duae aequationes pro incognitis $\alpha$ et $\beta$ nobis offeruntur, quarum forma

$$a\alpha + b\beta = d; \quad b\alpha + c\beta = e$$

erit. Si jam omnes hujusmodi aequationes, ex observationibus certi intervalli temporis e. g. quinquennii collectae, in duas summas

$$(a + a' + a'' + \ldots\ldots)\,\alpha + (b + b' + b'' + \ldots\ldots)\,\beta = d + d' + d'' + \ldots\ldots$$

$$(b + b' + b'' + \ldots\ldots)\,\alpha + (c + c' + c'' + \ldots\ldots)\,\beta = e + e' + e'' + \ldots\ldots$$

conjunguntur, earum solutio suppeditabit valores incognitarum $\alpha$ et $\beta$ pro tempore medio hujus intervalli; tandem substituendo valores ipsorum $\alpha$ et $\beta$, $\varphi'$ definietur pro quavis periodo.

Jam perspicuum est, Declinationem aliquam $D$, reductam adhibitis valoribus ipsorum $\varphi'$, $\alpha$, $\beta$ hoc modo inventis, liberam a Quadrantis erroribus considerari posse et niti solis determinationibus fundamentalibus, quas toti huic operi subesse scimus. Pro sideribus, quae sunt in vicinia Aequatoris, ut pro Sole, pro planetis, pro Luna, quantitas $\beta$, quippe quae multiplicata sit in $\text{Sin}\,\frac{1}{2}\delta^2$, exiguum in aequalibus et septentrionalibus et australibus Declinationibus aequalem habet effectum, qui cum quadam approximatione idem erit, quem habet $\beta$ in medium ex iis stellis fundamentalibus, quae non longe distant ab Aequatore, et in medium ex illis septem Geminorum stellis. Quare quantitas illa forsitan plane omitti poterit. Sed rem accurate dijudicandam debemus illi relinquere, qui ipse in hoc pertractando elaborare velit: optima rei tractandae ratio tum poterit eligi, quum omnes cujusque quinquennii observationes, quae huic investigationi inservire possint, licebit in uno conspectu videre. — Non dubito, quin talis Grenovicensium observationum investigatio, quum hoc fundamento reductio longae *Maskelyniarum* observationum seriei nitatur, utilissimum opus sit, quod quis suscipere possit ad augendam systematis Solaris cognitionem. Certe reductio, quam supra optandam putavi observationum corporum systematis Solaris inde ab anno 1750 institutarum, maxima ex parte ab illo, quem indicavi, pendet labore.

## Tabula XII.

### *Reductio observationum Solis.*

Haec Tabula, quae pro veris anni ficti 1800 meridiebus computata est, cujus Argumentum ergo quoque *Dies reductus* est, continet:

1) Moram transitus disci Solaris, tempore sidereo expressam ejusque variationem saecularem;
2) Logarithmum Factoris ($F$), quocum filorum Tubi meridiani intervalla tempore expressa sunt multiplicanda, ut tempus inveniatur sidereum, quod Sol in his intervallis conficiendis consumat;
3) naturalem Tangentem et Secantem Declinationis Solaris, quae reductioni transitus per medium filum ad meridianum secundum usitatam formulam
$$m + n\ \text{Tang}\,\delta + c\ \text{Sec}\,\delta$$
inserviant;
4) quantitatem $a$ et logarithmum $b$, quibus adhibitis distantia sive zenithalis sive polaris ad horizontale filum instrumenti collocati in meridiano observata tempore $t$, minutis secundis expresso, ante culminationem positive sumpto secundum formulam
$$\frac{at}{100} + b\,.\,tt$$
reducatur;
5) Radium disci Solaris, ejusque variationem saecularem;
6) Columnam vacuam, in qua inscribi poterit pro unaquaque specula Parallaxis altitudinis.

Tabula secundum formulas

$$F = \frac{\text{Sec}\,\delta}{1-\lambda}$$

$$\text{Radius disci } R' = \frac{R}{r}$$

$$\text{Mora transitus} = \frac{2}{15} R'.F$$

$$b = \left(\frac{15}{2}\right)^2 \text{Sin}\,1''(1-\lambda)^2\,\text{Sin}\,2\delta$$

computata est, in quibus $1-\lambda$ unum minutum secundum temporis siderei, minuto secundo temporis veri expressum, significat et

$$\lambda = \frac{\text{Cos}\,\omega\,\sqrt{(1-ee)}}{rr\,\text{Cos}\,\delta^2(T+1)}$$

ubi $R$, $r$, $\omega$, $T$ significant medium radium disci Solaris, distantiam Solis a terra, Obliquitatem Ecliptices et annum tropicum diebus expressum. Numeri, qui in Tabula sub nota $a$ reperiuntur, exprimunt variationem Declinationis per 100″ temporis siderei. Variationem saecularem logarithmi ipsius $F$ (per dimidium saeculum non ultra duas unitates ultimae notae decimalis ascendentem) Tabulae adjungere supervacaneum duxi.

Elementa elliptica orbitae terrestris in hac Tabula adhibita eadem sunt, quae Tabulis Solaribus subsint meis. Radium disci medium $R$ tantum supposui, quantum mihi suppeditarunt morae transitus ab anno 1820 usque ad annum 1828 incl. observatae a me ope Circuli meridiani a *Reichenbachio* et *Ertellio* confecti. Has observationes ita ad calculos vocavi, ut ea tantum fila instrumenti adhiberentur, ad quae uterque limbus in eadem culminatione esset observatus. Medium transituum 1698 inveni

$$R = 16'\,0'',90,$$

quo cum numero singuli anni ita consentiunt:

| | Observatio | Differentia |
|---|---|---|
| 1820 | 16′ 1″,31 | + 0″,41 |
| 1821 | 1,08 | + 0,18 |
| 1822 | 0,87 | − 0,03 |
| 1823 | 0,66 | − 0,24 |
| 1824 | 0,91 | + 0,01 |
| 1825 | 1,18 | + 0,28 |
| 1826 | 0,76 | − 0,14 |
| 1827 | 0,74 | − 0,16 |
| 1828 | 0,58 | − 0,32 |

Hic valor radii disci Solaris exacte idem est, quem Cl. *Struvius*, simili usus instrumento eademque adhibita methodo, invenit *). Is valor 0″,35 major est illo, quem ex *Maskelynii* observationibus conclusit Ill. *de Lindenau* **).

*) *Schumacher*, Astronomische Nachrichten. Nr. 59.
**) *von Zach*, Monatliche Correspondenz. Vol. XXI. P. 481.

Constat, transitus inferiorum planetarum per discum Solis nec non defectus Solis duabus tribusve minutis secundis minorem suppeditare radium, sed differentia, quae caussae opticae nominatim diffractioni Luminis tribuitur, vereor, ut eadem sit pro omnibus Tubis.

Ultima Tabulae columna vacua, quae Parallaxin altitudinis Solis culminantis debet continere, secundum formulam

$$\frac{8'',5776}{r}\,\varrho\,\mathrm{Sin}\,(\varphi'-\delta)$$

explenda est, in qua $\varrho\,\mathrm{Sin}\,\varphi'$ et $\varrho\,\mathrm{Cos}\,\varphi'$ distantias significant loci observationis ab aequatore et ab axi terrestri, et media Parallaxis horizontalis Solis tanta est assumpta, quantam e transitibus Veneris annis 1761 et 1769 Cel. *Enckius* determinavit. Quae formula si formam induerit:

$$a\,.\,A + b\,.\,B$$

ubi

$$A = \varrho\,\mathrm{Sin}\,\varphi',\quad B = \varrho\,\mathrm{Cos}\,\varphi'$$

sive expressa per altitudinem poli $\varphi$

$$A = \frac{(1-\varepsilon\varepsilon)\,\mathrm{Sin}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\varphi^2)}};\quad B = \frac{\mathrm{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\,\varphi^2)}}$$

erit

$$a = \frac{8'',5776}{r}\,\mathrm{Cos}\,\delta;\quad b = -\frac{8'',5776}{r}\,\mathrm{Sin}\,\delta$$

Harum quantitatum logarithmos pro quoque die octavo anni ficti hic apponam, quo facillima erit repletio columnae vacuae, data poli altitudine.

| | | Log *a* | Log *b* | | | Log *a* | Log *b* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 0,9045 | 0,5341 | Jul. | 3 | 0,8902 | 0,5177*n* |
| | 8 | 0,9071 | 0,5185 | | 11 | 0,8930 | 0,5022*n* |
| | 16 | 0,9108 | 0,4929 | | 19 | 0,8970 | 0,4781*n* |
| | 24 | 0,9153 | 0,4563 | | 27 | 0,9019 | 0,4444*n* |
| Febr. | 1 | 0,9200 | 0,4067 | Aug. | 4 | 0,9073 | 0,3994*n* |
| | 9 | 0,9247 | 0,3408 | | 12 | 0,9129 | 0,3402*n* |
| | 17 | 0,9288 | 0,2531 | | 20 | 0,9182 | 0,2620*n* |
| | 25 | 0,9320 | 0,1327 | | 28 | 0,9231 | 0,1560*n* |
| Mart. | 5 | 0,9342 | 9,9544 | Sept. | 5 | 0,9271 | 0,0033*n* |
| | 13 | 0,9350 | 9,6331 | | 13 | 0,9302 | 9,7490*n* |
| | 21 | 0,9346 | 8,6545*n* | | 21 | 0,9320 | 9,0009*n* |
| | 29 | 0,9328 | 9,7116*n* | | 29 | 0,9327 | 9,5643 |
| Apr. | 6 | 0,9298 | 9,9870*n* | Oct. | 7 | 0,9320 | 9,9196 |
| | 14 | 0,9257 | 0,1473*n* | | 15 | 0,9302 | 0,1084 |
| | 22 | 0,9207 | 0,2571*n* | | 23 | 0,9273 | 0,2344 |
| | 30 | 0,9151 | 0,3374*n* | | 31 | 0,9235 | 0,3258 |
| Maj. | 8 | 0,9093 | 0,3980*n* | Nov. | 8 | 0,9192 | 0,3946 |
| | 16 | 0,9035 | 0,4438*n* | | 16 | 0,9148 | 0,4468 |
| | 24 | 0,8983 | 0,4779*n* | | 24 | 0,9105 | 0,4858 |
| Jun. | 1 | 0,8940 | 0,5022*n* | Dec. | 2 | 0,9070 | 0,5135 |
| | 9 | 0,8908 | 0,5178*n* | | 10 | 0,9044 | 0,5313 |
| | 17 | 0,8891 | 0,5254*n* | | 18 | 0,9032 | 0,5398 |
| | 25 | 0,8889 | 0,5254*n* | | 26 | 0,9035 | 0,5393 |
| Jul. | 3 | 0,8902 | 0,5177*n* | | 34 | 0,9052 | 0,5298 |

# Tabula XIII.

## *Reductio observationum Lunae.*

Quoniam Adscensio recta Lunae non immediate e transitu centri Lunaris per meridianum sed e temporibus appulsuum unius alteriusve limbi ad fila Tubi meridiani observatur, primum quaeram Adscensionem rectam $\alpha$ centri, quae uni horum momentorum, nempe tempori sidereo $\mu$, partibus arcus expresso, respondeat. Data supponuntur: Declinatio $\delta$, radius disci geocentricus $h$, Parallaxis horizontalis aequatorialis $\pi$, Latitudo geocentrica loci observationis $\varphi'$ ejusque distantia a centro terrestri $\varrho$. Instrumenti porro collocatio vitiumque collimationis cognita supponuntur, nempe angulus horarius atque distantia polaris poli orientalis axis rotatorii instrumenti atque distantia circuli a medio filo in sphaera coelesti descripti ab hoc puncto. Has quantitates, ut fit in usitata formula pro reductione transituum observatorum ad meridianum, nempe

$$m + n \operatorname{Tang} \delta + c \operatorname{Sec} \delta$$

signabo per $\quad -90^\circ - m, \quad 90^\circ + n, \quad 90^\circ - c.$

Si appulsus observatus est ad filum, cujus distantia a medio filo sit $f$, positive sumpta, si transitus per illud prius, negative, si serius, quam per medium filum evenerit, observata distantia limbi Lunaris ab orientali axis polo erit $= 90^\circ - c - f$, centrique $= 90^\circ - c - f \mp h'$, ubi $h'$ apparentem significat radium, superiusque signum pro praecedente, inferius autem pro sequenti limbo valet. Haec distantia latus erit trianguli sphaerici, cujus duo reliqua latera, et distantia poli axis instrumenti et distantia Lunae a polo coelesti $90^\circ + n$, $90^\circ - \delta'$, angulum comprehendunt $90^\circ + m + \mu - \alpha'$, ubi $\alpha'$ et $\delta'$ significant apparentem Lunae Adscensionem rectam et Declinationem. Igitur habemus

$$\begin{aligned}
\operatorname{Sin}(c+f\pm h') &= -\operatorname{Sin} n \operatorname{Sin}\delta' - \operatorname{Cos} n \operatorname{Cos}\delta' \operatorname{Sin}(m+\mu-\alpha') \\
&= -\operatorname{Sin} n \,.\, \operatorname{Sin}\delta' \\
&\quad - \operatorname{Cos} n \operatorname{Sin} m \,.\, \operatorname{Cos}\delta' \operatorname{Cos}(\mu-\alpha') \\
&\quad - \operatorname{Cos} n \operatorname{Cos} m \,.\, \operatorname{Cos}\delta' \operatorname{Sin}(\mu-\alpha')
\end{aligned}$$

Haec aequatio quum fuerit multiplicata per distantiam Lunae ab observatore $= \triangle$, quantitates, quae ab apparente Lunae loco dependent, per locum geocentricum poterunt exprimi, quod fit per usitatas formulas:

$$\begin{aligned}
\triangle \operatorname{Cos}\delta' \operatorname{Cos}(\mu-\alpha') &= \operatorname{Cos}\delta \operatorname{Cos}(\mu-\alpha) - \varrho \operatorname{Sin}\pi \operatorname{Cos}\varphi' \\
\triangle \operatorname{Cos}\delta' \operatorname{Sin}(\mu-\alpha') &= \operatorname{Cos}\delta \operatorname{Sin}(\mu-\alpha) \\
\triangle \operatorname{Sin}\delta' &= \operatorname{Sin}\delta - \varrho \operatorname{Sin}\pi \operatorname{Sin}\varphi' \\
\triangle \operatorname{Sin} h' &= \operatorname{Sin} h \\
\triangle \operatorname{Cos} h' &= \sqrt{\{\operatorname{Cos} h^2 - 2\varrho \operatorname{Sin}\pi [\operatorname{Sin}\delta \operatorname{Sin}\varphi + \operatorname{Cos}\delta \operatorname{Cos}\varphi \operatorname{Cos}(\mu-\alpha)] \\
&\qquad + \varrho\varrho \operatorname{Sin}\pi^2\}}
\end{aligned}$$

Ex quo apparet, si problematis solutio summo rigore quaeratur, inventionem ipsius $\alpha$ a solutione aequationis quarti gradus pendere. Sed quoniam

quantitates $c+f\pm h'$, $n$, $m$, $\mu-\alpha$ tam exiguae semper sunt, ut Sinus earum cum arcubus, Cosinus vero cum unitate commutari possint, habebimus:

$$\triangle(c+f\pm h') = -n\triangle \operatorname{Sin}\delta' - m\triangle \operatorname{Cos}\delta' - (\mu-\alpha)\operatorname{Cos}\delta$$

sive

$$\alpha = \mu \pm \frac{h}{\operatorname{Cos}\delta} + \frac{f\triangle}{\operatorname{Cos}\delta} + \frac{\triangle \operatorname{Cos}\delta'}{\operatorname{Cos}\delta}\,(m+n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta')$$

Quam formulam si volumus totam per veram exprimere Declinationem, ponere possumus

$$\triangle = 1-\varrho\operatorname{Sin}\pi\operatorname{Cos}(\varphi'-\delta)$$

neque verendum est, ne per hoc quantitas $f\triangle$ pro $f = 20'$ (haec enim maxima est in usitatis Tubis meridianis distantia, qua fila lateralia a medio filo distent) in majus vitium, quam $0'',2$ arcualium incurrat, idque vitium e medio diversorum filorum circa medium filum symmetrice collocatorum evanescere, neminem fugit. Majore etiam jure ponere licet

$$\triangle \operatorname{Cos}\delta' = \operatorname{Cos}\delta - \varrho\operatorname{Sin}\pi\operatorname{Cos}\varphi'$$

quo efficitur, ut sit

$$\alpha = \mu \pm \frac{h}{\operatorname{Cos}\delta} + f\frac{1-\varrho\operatorname{Sin}\pi\operatorname{Cos}(\varphi'-\delta)}{\operatorname{Cos}\delta} + m' + n'\operatorname{Tang}\delta + c'\operatorname{Sec}\delta$$

ubi

$$m' = m - c\operatorname{Cos}\varphi'\,.\,\varrho\operatorname{Sin}\pi$$
$$n' = n - c\operatorname{Sin}\varphi'\,.\,\varrho\operatorname{Sin}\pi$$
$$c' = c - (m\operatorname{Cos}\varphi' + n\operatorname{Sin}\varphi')\,\varrho\operatorname{Sin}\pi$$

Ultimum terminum si quis velit apparente Declinatione expressum retinere, quod commodius erit, si haec in indice instrumenti lecta fuerit, id quod semper cum certitudine paucorum minutorum primorum hic sufficiente fieri potest, erit

$$\alpha = \mu \pm \frac{h}{\operatorname{Cos}\delta} + f\frac{1-\varrho\operatorname{Sin}\pi\operatorname{Cos}(\varphi'-\delta)}{\operatorname{Cos}\delta} + \left(1-\varrho\operatorname{Sin}\pi\frac{\operatorname{Cos}\varphi'}{\operatorname{Cos}\delta'}\right)(m+n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta').$$

Vulgo tempus culminationis derivabitur e temporibus transituum per fila, sive quaeretur filorum *reductio ad meridianum.* Quo in casu tempori observato tempus, quo Luna angulum horarium $\mu-\alpha$ lustrat, addendum est, sive angulus ille horarius, divisus per $1-\lambda$, ubi $\lambda$ variationem Adscensionis rectae tempore expressae per minutum secundum temporis siderei significat. Habebimus igitur reductionem ad meridianum, quantitate

$$\frac{1-\varrho\operatorname{Sin}\pi\operatorname{Cos}(\varphi'-\delta)}{(1-\lambda)\operatorname{Cos}\delta}$$

notata per $F$,

$$= \pm\frac{h}{(1-\lambda)\operatorname{Cos}\delta} + fF + \frac{m'+n'\operatorname{Tang}\delta + c'\operatorname{Sec}\delta}{1-\lambda}$$

sive

$$= \pm\frac{h}{(1-\lambda)\operatorname{Cos}\delta} + fF + \frac{1-\varrho\operatorname{Sin}\pi\operatorname{Cos}\varphi'\operatorname{Sec}\delta'}{1-\lambda}(m+n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta')$$

Primus terminus est negligendus, si non pro centro, sed pro observato limbo habere velis tempus Culminationis. Omisso divisore $1-\lambda$, qui est in

ultimo membro, tempus Culminationis hoc modo inventum Adscensionem rectam non pro ipso Culminationis momento sed pro momento transitus per medium filum suppeditat. Tum igitur, ut reductio fiat ad meridianum, expressio

$$fF + \left(1 - \varrho \operatorname{Sin}\pi \frac{\operatorname{Cos}\varphi'}{\operatorname{Cos}\delta'}\right)(m + n \operatorname{Tang}\delta' + c \operatorname{Sec}\delta')$$

est adhibenda, in qua ultimus terminus tantum in hoc discrepat a reductione pro stellis fixis adhibenda, quod in fractionem multiplicatus est, cujus minimus valor $\frac{1}{50}$, pro speculis Europaeis $\frac{1}{70}$ ab unitate diversus esse potest. Quam ob caussam fractio, quum $m$, $n$, $c$ vulgo exiguum habent valorem, cum unitate poterit commutari.

Ut facilius reddatur calculus factoris $F$, in Tabula XIII logarithmum protuli quantitatis $1 - \varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi' - \delta)$ sub nota $l.A$ cum Argumento $\operatorname{Log}(\varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi' - \delta))$, complementumque logarithmi ipsius $1 - \lambda$ notatum per $l.B$, cujus Argumentum, nempe variatio Adscensionis rectae 12 horis medii temporis et minutis primis arcualibus expressum est. Quem motum pro duodecim horis quum Ephemerides inde a meridie usque ad mediam noctem, et a media nocte usque ad succedentem meridiem suppeditent, momentaneus motus pro tempore observationis interpolando derivari poterit *). Quodsi hic intervallum 12 horarum pro temporis unitate assumamus, id quod commodissimum erit, motusque ad hanc unitatem relatus significetur per $\triangle\alpha$, habebimus

$$\lambda = \frac{\triangle\alpha}{15 \,.\, 721{,}971} = \frac{\triangle\alpha}{10830}$$

ergo quantitas $B$, cujus logarithmus Tabula continetur, erit

$$\frac{10830}{10830 - \triangle\alpha}$$

Ope hujus Tabulae habebimus

$$\operatorname{Log} F = \operatorname{Log} A + \operatorname{Log} B + \operatorname{Log.}\operatorname{Sec}\delta.$$

Caeterum factoris $F$ computatio superflua est, si Luna ad omnia fila instrumenti observata, tempus transitus per medium filum, ex omnibus omnium filorum transitibus collectum sciscitemur. Illud enim tempus habebitur, si medio arithmetico, quod ex omnibus temporibus observatis collectum sit, correctio addatur, quae ab inaequalitate distantiarum filorum oriatur. Ea semper cognita erit exiguaque est pars temporis, quod Luna consumit transeundo ab uno extremo filo ad alterum extremum.

Quaeratur Declinatio pro eodem tempore, pro quo jam determinata sit Adscensio recta. Si unus alterve limbus Lunae ad filum, quod sit instrumenti axi parallelum, tempore sidereo $\mu$ observatus erit, Declinationemque esse $\delta$, instrumentum indicaverit, duo sunt ad inveniendum $\delta$ sphaerica triangula consideranda, quorum alterum $aPl$ polum axis, polum mundi et centrum Lunae connectat, alterum $lal'$ centrum Lunae, polum axis et punctum illud limbi Lunae, quod filum tangat, vicissim conjungat. In primo triangulo angulus $P$ erit $= 90° + m + \mu - \alpha$, latus $Pa = 90° + n$, latus vero $Pl = 90° - \delta'$;

*) *Schumacher*, Astronomische Nachrichten. Nr. 33.

in altero triangulo angulus $l' = 90°$, latus $ll' = h'$. Observato limbo septentrionali, quantitas $90° - \delta_{,}$ differentia erit angulorum in puncto $a$ sitorum utriusque trianguli, observato australi, quantitas illa summa erit; latus $al$ utrique triangulo commune est. Quoniam pro primo triangulo habemus

$$\operatorname{Sin} al \,.\, \operatorname{Cos}(\delta_{,} \mp lal') = \operatorname{Cos}\delta' \operatorname{Cos}(m+\mu-\alpha')$$

$$\operatorname{Sin} al \,.\, \operatorname{Sin}(\delta_{,} \mp lal') = \operatorname{Sin}\delta' \operatorname{Cos} n - \operatorname{Cos}\delta' \operatorname{Sin} n \operatorname{Sin}(m+\mu-\alpha')$$

pro secundo

$$\operatorname{Sin} al \,.\, \operatorname{Sin} lal' = \operatorname{Sin} h',$$

inde derivabimus, eliminando ipsa $al$ et $lal'$

$$\begin{aligned} \pm \operatorname{Sin} h' = {} & \operatorname{Cos}\delta' \operatorname{Cos}(m+\mu-\alpha') \,.\, \operatorname{Sin}\delta_{,} \\ & + \operatorname{Cos}\delta' \operatorname{Sin}(m+\mu-\alpha') \,.\, \operatorname{Cos}\delta_{,} \operatorname{Sin} n \\ & - \operatorname{Sin}\delta' \,.\, \operatorname{Cos}\delta_{,} \operatorname{Cos} n \end{aligned}$$

Quae aequatio si multiplicata fuerit per $\triangle$, et quantitates $\alpha'$, $\delta'$, $h'$ expressae fuerint per data geocentrica, invenietur:

$$\begin{aligned} \pm \operatorname{Sin} h = {} & \operatorname{Cos}\delta \,\{\operatorname{Sin}\delta_{,} \operatorname{Cos}(m+\mu-\alpha) + \operatorname{Cos}\delta_{,} \operatorname{Sin}(m+\mu-\alpha) \operatorname{Sin} n\} \\ & - \operatorname{Sin}\delta \operatorname{Cos}\delta_{,} \operatorname{Cos} n \\ & - \varrho \operatorname{Sin}\pi \,\{\operatorname{Cos}\varphi' [\operatorname{Sin}\delta_{,} \operatorname{Cos} m + \operatorname{Cos}\delta_{,} \operatorname{Sin} m \operatorname{Sin} n] - \operatorname{Sin}\varphi' \operatorname{Cos}\delta_{,} \operatorname{Cos} n\} \end{aligned}$$

unde $\delta$ omni rigore definitur. Sed quoniam quantitates $\operatorname{Sin}(m+\mu-\alpha) \operatorname{Sin} n$, $\operatorname{Sin} m \operatorname{Sin} n$ semper negligi possunt, $\operatorname{Cos} m$ vero et $\operatorname{Cos} n$ ponere licet $= 1$, habebitur:

$$\pm \operatorname{Sin} h - \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta_{,}) = \operatorname{Sin}(\delta_{,} - \delta) - \operatorname{Cos}\delta \operatorname{Sin}\delta_{,} (1 - \operatorname{Cos}(m+\mu-\alpha)).$$

Si $\mu'$ designabit tempus centri Lunae culminantis, erit

$$\mu - \alpha = (\mu - \mu')(1 - \lambda);$$

sed quia in quantitate $1 - \operatorname{Cos}(m+\mu-\alpha)$ ipsum $m$ poterit negligi, quum effectus ipsius tantum ordinis est $m \operatorname{Sin}(\mu - \alpha)$, invenietur:

$$\begin{aligned} \operatorname{Sin}(\delta - \delta_{,}) = {} & \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta_{,}) \mp \operatorname{Sin} h \\ & - \operatorname{Cos}\delta \operatorname{Sin}\delta_{,} (1-\lambda)^2 (\mu - \mu')^2 \operatorname{Sin}\tfrac{1}{2}''. \end{aligned}$$

Inde haec instituendi calculi norma, quae ad veritatem satis accedit, facile derivatur, ubi $\mu - \mu'$ expressum est minutis secundis temporis:

$$\operatorname{Sin} p = \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta_{,})$$

$$\begin{aligned} \delta = {} & \delta_{,} + p \mp h \mp \left(\frac{p \mp h}{2}\right) \operatorname{Sin} p \operatorname{Sin} h \\ & - \tfrac{225}{4}'' \operatorname{Sin} 1'' \,.\, \operatorname{Sin} 2\delta_{,} (1-\lambda)^2 (\mu - \mu')^2 \end{aligned}$$

Declinatio ita inventa ad temporis momentum $\mu''$ reducitur, pro quo jam determinata est Adscensio recta, addendo variationem per temporis intervallum $\mu'' - \mu$. Ergo si momentanea Declinationis variatio, ad temporis unitatem duodecim horarum relata, minutisque primis expressa, significatur per $\triangle\delta$ poniturque

$$\lambda' = \frac{\triangle\delta}{721{,}971}$$

quaesita Declinatio erit $= \delta + (\mu'' - \mu)\lambda'$. Quantitas $\lambda'$ invenitur in Tabula XIII.

*Exemplum.* Quaeritur Lunae et Adscensio recta et Declinatio, quae prodeant ex observatione Regiomontana in meridiano facta die 13. Jun. 1821.

1. Appulsus praecedentis limbi ad quinque fila instrumenti meridiani observati sunt:

$$49'\,2'',8 \;|\; 49'\,19'',8 \;|\; 15^h\,49'\,36'',7 \;|\; 49'\,53'',2 \;|\; 50'\,9'',8.$$

Per distantias filorum a medio filo, in Aequatore

$$29'',4225;\quad 14'',6386;\quad 14'',3144;\quad 28'',7773$$

notum est, medio arithmetico ex omnibus ad quinque fila observatis appulsibus intervallum temporis duorum extremorum filorum multiplicatum per 0,00333 addendum esse, quod pro hoc exemplo tempus transitus per medium filum suppeditat

$$= 15^h\,49'\,36'',46 + 67'',0\,.\,0,00333 = 15^h\,49'\,36'',683$$

Quodsi scire avemus, quid unumquodque suppeditet filum, e Tabula XIII quaerendus est factor $F$. Ex ephemeridibus Gallicis invenietur pro vero tempore Parisino $= 9^h\,10'$, quod proxime accedit ad tempus observationis:

$$\Delta\alpha = 6^\circ\,39',0$$
$$\delta = -25^\circ\,14',7$$
$$\pi = 55'\,7'',0$$

Compressione sphaeroidis terrestris posita $= 0,00324$, pro Regiomonto erit

$$\text{Log}\,\varrho = 9,9990640,\quad \varphi' = 54^\circ\,32'\,18'',4$$

unde invenitur $\text{Log}\,\{\varrho\,\text{Sin}\,\pi\,\text{Cos}\,(\varphi'-\delta)\} = 7,45293.$

Atqui Tabula XIII suppeditat:

$$l.A = 9,99876$$
$$l.B = 0,01630$$
$$l.\text{Sec}\,\delta = 0,04359$$
$$l.F = 0,05865$$

cujus ope reductio singulorum filorum ad filum medium obtinetur:

| Log. $f$ | $f.F$ | Temp. transit. |
|---|---|---|
| | | $h$ $'$ $''$ |
| 1,46868 | + 33,677 | 15 49 36,477 |
| 1,16549 | + 16,755 | 36,555 |
| | | 36,700 |
| 1,15577$n$ | − 16,384 | 36,816 |
| 1,45905$n$ | − 32,938 | 36,862 |
| Medium ..... | | 15 49 36,682 |

ubi exigua differentia 0'',001 ex eo oritur, quod in priore calculo intervallum temporis extremorum filorum 0'',38 majus sumptum est, quam fuisset pro distantia filorum.

Instrumenti deflexiones a meridiano quum essent

$$m = +0'',03;\quad n = -0'',297;\quad c = -0'',017$$

invenietur cum $\delta' = -26^\circ\,9'$

$$\left\{1-\varrho\,\text{Sin}\,\pi\,\frac{\text{Cos}\,\varphi'}{\text{Cos}\,\delta'}\right\}(m+n\,\text{Tang}\,\delta'+c\,\text{Sec}\,\delta') = +0'',155$$

sive tempus transitus ad meridianum reductum erit

$$15^h\,49'\,36'',837.$$

Eodem die status horologii observabatur per 5 stellas fundamentales:

| | in filo medio | Reduct. | A. R. appar. | Corr. horol. |
|---|---|---|---|---|
| | h ′ ″ | ″ | h ′ ″ | ″ |
| β *Virginis* ..... | 11 41 21,97 | + 0,002 | 11 41 24,071 | + 2,099 |
| α *Bootis* ..... | 14 7 30,59 | − 0,097 | 14 7 32,585 | + 2,092 |
| 1α *Librae* ..... | 14 40 48,92 | + 0,093 | 14 40 50,943 | + 1,930 |
| α *Coronae* ..... | 15 27 7,86 | − 0,143 | 15 27 9,564 | + 1,847 |
| α *Scorpii* ..... | 16 18 28,30 | + 0,156 | 16 18 30,254 | + 1,798 |
| | Medium 14h 27′ ..... | | | + 1,953 |

quod cum diurna horologii correctionis variatione − 0″,46 ad tempus observationis Lunae reductum suppeditat

$$15^h\,49'\,36'',837 + 1'',927 = 15^h\,49'\,38'',764$$

ergo Adscensionem rectam praecedentis limbi Lunae

$$= 237^\circ\,24'\,41'',46$$

quae determinatio ad tempus transitus per medium filum = 15h 49′ 38″,61 temporis sideralis = 10h 22′ 17″,29 vero temporis medii solaris pertinet. Radius Lunae, qui pertinet ad parallaxin 55′ 7″,0, est = 15′ 1″,10, quod multiplicatum per Sec δ subministrat 16′ 36″,23, et Adscensionem rectam centri quaesitam:

$$\alpha = 237^\circ\,41'\,17'',7.$$

2. Septentrionalis Lunae limbus tempore horologii 15h 50′ 55″ observabatur per instrumenti Circulum, qui indicaverat 277° 55′ 42″,1; correctio propter instrumenti flexionem et vitia divisionis est = − 1″,21, propter Refractionem vero − 5′ 40″,72; locus Aequatoris in Circulo instrumenti erat 303° 44′ 4″,35. Unde sequitur

$$\delta, = -25^\circ\,54'\,4'',18.$$

E numeris supra datis sequitur

$$p = 54'\,14'',05$$

$$p-h = 39'\,12'',95$$

$$-\frac{p-h}{2}\,\mathrm{Sin}\,p\,\mathrm{Sin}\,h = -0'',08$$

et membrum a $\mu-\mu'$ = + 11″,8 dependens = + 0″,03. Ex quo colligitur esse

$$\delta = -25^\circ\,14'\,51'',28.$$

Quoniam determinatio haec valet pro 15h 50′ 55″ temporis horologici, Adscensionis vero determinatio pro 15h 49′ 36″,68 ejusdem temporis, variatio Declinationis per − 1′ 18″,32 est addenda. Ex ephemeridibus laudatis sequitur $\Delta\delta = -1^\circ 22',94$, quocum Tab. XIII suppeditat $\lambda' = -0'',1149$. Cum hoc $(\mu''-\mu)\lambda'$ erit = + 9″,00, et postremo quaesitus Lunae locus

1821 Jun. 13. 10h 22′ 17″,29 temp. med.

A.R = 237° 41′ 17″,7; Decl. = − 25° 14′ 42″,3

Formulas etiam dabo pro eo casu, ubi Declinationem Lunae non ope instrumenti collocati in meridiano sed ope instrumenti circa verticalem axem

rotantis, metiendo plures distantias a vertice ante et post culminationem observemus.

Apparentem distantiam a vertice, quae pertineat ad tempus sidereum $\mu$, notabo per $z$, distantiam vero, quae sit momento culminationis $\mu'$, per $Z$: tum $Z - z$ exprimenda est per $\mu - \mu'$.

Quoniam habemus

$$\operatorname{Cos} z = \operatorname{Sin}\varphi \operatorname{Sin}\delta' + \operatorname{Cos}\varphi \operatorname{Cos}\delta' \operatorname{Cos}(\mu - \alpha')$$

quum fuerit multiplicata per $\triangle$ apparensque Lunae locus expressus per locum geocentricum, erit

$$\triangle \operatorname{Cos} z = \operatorname{Sin}\varphi \operatorname{Sin}\delta + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha) - \varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi');$$

pari modo, valoribus ipsorum $\triangle$ et $\delta$ pro momento culminationis per $\triangle'$ et $d$ designatis, erit

$$\triangle' \operatorname{Cos} Z = \operatorname{Cos}(\varphi - d) - \varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi').$$

Quodsi brevitatis gratia ponuntur

$$\operatorname{Cos}(\varphi - d) + u \text{ pro } \operatorname{Sin}\varphi \operatorname{Sin}\delta + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)$$

$$p \text{ pro } \varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi'),$$

habebimus

$$\operatorname{Cos} z - \operatorname{Cos} Z = \frac{u}{\triangle} + [\operatorname{Cos}(\varphi - d) - p] \frac{\triangle' - \triangle}{\triangle\triangle'}$$

et quadrato ipsius $Z - z$ neglecto

$$Z - z = \frac{u}{\triangle \operatorname{Sin} Z} + [\operatorname{Cos}(\varphi - d) - p] \frac{\triangle' - \triangle}{\triangle\triangle' \operatorname{Sin} Z}.$$

Si in expressione

$$\triangle = \sqrt{\{1 - 2\varrho \operatorname{Sin}\pi [\operatorname{Sin}\varphi' \operatorname{Sin}\delta + \operatorname{Cos}\varphi' \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)] + \varrho\varrho \operatorname{Sin}\pi^2\}}$$

in locum quantitatum $\varrho \operatorname{Sin}\varphi'$ et $\varrho \operatorname{Cos}\varphi'$ earum expressiones per altitudinem poli $\varphi$ substitutae erunt, habebimus

$$\triangle = \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Sin}\varphi \operatorname{Sin}\delta (1 - \varepsilon\varepsilon) + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)] + \varrho\varrho \operatorname{Sin}\pi^2\right\}}$$

$$= \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Cos}(\varphi - d) - \varepsilon\varepsilon \operatorname{Sin}\varphi \operatorname{Sin}\delta + u] + \varrho\varrho \operatorname{Sin}\pi^2\right\}}$$

ideoque

$$\triangle' = \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Cos}(\varphi - d) - \varepsilon\varepsilon \operatorname{Sin}\varphi \operatorname{Sin} d] + \varrho\varrho \operatorname{Sin}\pi^2\right\}}$$

unde reperitur sufficiente approximatione

$$\triangle = 1 - \operatorname{Sin}\pi \operatorname{Cos} Z$$

$$[\operatorname{Cos}(\varphi - d) - p] \frac{\triangle' - \triangle}{\triangle'} = \operatorname{Sin}\pi \operatorname{Cos} Z \,.\, u$$

quibus in expressione ipsius $Z - z$ substitutis prodit

$$Z - z = \frac{u}{(1 - \operatorname{Sin}\pi \operatorname{Cos} Z)^2 \operatorname{Sin} Z}$$

Ad inventionem ipsius $u$ habebimus, quantitate $\mu - \mu'$ minutis secundis temporis siderei expressa,

$$\mu - \alpha = 15(\mu - \mu')(1 - \lambda)$$

$$\delta = d + (\mu - \mu')\lambda'$$

unde sequitur

$$u = \lambda' \operatorname{Sin} Z\,(\mu-\mu') - \tfrac{225}{2} \operatorname{Sin} 1''\,(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d\,(\mu-\mu')^2$$

sive

$$u = -\tfrac{225}{2} \operatorname{Sin} 1''.\,(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d\,\{(\mu-\mu'-b)^2 - bb\}$$

ubi, ut brevi comprehendatur, scriptum est

$$b \text{ pro } \frac{\lambda' \operatorname{Sin} Z}{225\,.\operatorname{Sin} 1''(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d}$$

Si adhibentur quae sunt in Tabula XIII quantitates $A$ et $B$, quibus jam supra usi sumus, habebimus formulas has:

$$a = \tfrac{225}{2} \operatorname{Sin} 1''.\frac{\operatorname{Cos}\varphi \operatorname{Cos} d}{B^2\,.\operatorname{Sin}(\varphi-d)}$$

$$b = \frac{\lambda'}{2a}$$

$$M = \mu' + b$$

$$Z-z = -\frac{a}{A^2}(\mu-M)^2 + \frac{a}{A^2}.bb$$

Has formulas in tertia Sectione observationum mearum promulgavi, quia Lunae in specula Regiomontana frequentes factae sunt observationes per distantias zenithales easque circummeridianas.

## Tabula XIV.

### *Refractio Astronomica.*

Refractionis Tabula, quam hic tradam, ex ea, quam e *Bradleji* observationibus derivaveram *), orta est hoc modo, quod correctiones adhibui necessarias, ut illarum cum Regiomontanis completa fieret consensio. Cujus Tabulae historiam breviter hic attingendam esse, haud superfluum duco. Tabulae in „Fundamentis Astronomiae" subest haec hypothesis, densitatem aëris in altitudine $as$ supra superficiem terrae esse

$$= (\varrho)^{-\frac{(g-l)}{gl}\,.\,as}$$

ubi $(\varrho)$ densitatem in superficie terrae, $a$ radium osculatorem meridiani pro specula Grenovicensi = 3269805 *Tois.*, $g$ constantem valorem 116865,8 *Tois.*

$$l = 4226{,}05^{\text{Tois.}}\,\{1 + (\tau-50)\,0{,}00208333\}$$

et $\tau$ gradum Thermometri a *Bradlejo* adhibiti significat. Pro unitate, qua metiamur $(\varrho)$, sumpta est ea aëris densitas, quae tum erit, quum Barometrum 29,6 digitos Anglicos, Thermometrum indicaverit 50°. Sin Barometri altitudo erit $b$, Thermometrum vero, Barometro affixum, temperaturam $\tau'$ indicabit mercurii, positum est

$$(\varrho) = \frac{b}{29{,}6\,\{1 + (\tau'-50)\,0{,}0001025\}\,\{1 + (\tau-50)\,0{,}00208333\}}$$

*) Fundamenta Astronomiae pro Anno 1755. Sect. IV.

Pro aëris densitate $= 1$, Tabula constantem Refractionis numerum

$$\alpha = 57'',538$$

supponit

His positis elementis, Refractio invenitur e solutione problematis, a *Krampio* et *Laplacio* prolati. Tabula non modo Refractionis valorem continet pro $b = 29,6$ et $\tau = \tau' = 50°$, sed etiam variationes, quas illa patitur, si $b$, $\tau$, $\tau'$ alios nanciscantur valores. Sed hae variationes theoriae convenienter computatae sunt, neque, ut in prioribus Tabulis suppositum est, totam Refractionem densitati aëris in loco observationis esse proportionalem. Quo accuratiore calculo effectus Barometri et Thermometri consensio Tabulae cum observationibus valde aucta est. Etiam illi, qui serius hanc rem tractaverunt, exemplum Tabulae meae plane secuti sunt plus minusve. Thermometrum, scala Fahrenheitiana instructum, quo *Bradlejus* utebatur ad cognoscendam aëris temperaturam, quum esset mense Octob. 1750 in nivem immersum, punctum gelationis habuit in 33°, 25, unde supposui, quoniam sufficientes carent de hoc instrumento investigationes, omnes temperaturas illud indicasse 1°,25 supra veras, ergo Tabulam valere pro 48°,75 veri Thermometri Fahrenheitiani. Refractione hujus Tabulae significata per $\delta\theta$, quum $A$ et $\lambda$ numeri sint, qui in Tabula pro unaquaque distantia zenithali inveniantur, formula, qua vera computabitur Refractio pro Barometri altitudine $b$, pro indicationibus interioris et exterioris Thermometri $f'$ et $f$, erit:

$$\delta\theta \left\{ \frac{b}{29,6 \{ 1 + (f' - 50)\, 0,0001025 \}} \right\}^{A} \{ 1 + (f - 48,75)\, 0,00208333 \}^{-\lambda}$$

Annis 1820 et 1821 postquam Circulum meridianum a *Reichenbachio* et *Ertellio* confectum, quo tum specula Regiomontana instructa erat, ita examinaveram, ut observationibus hoc instrumento institutis exiguas illas addere possem correctiones, quae a flexione instrumenti et a divisionis erroribus orirentur, quumque instrumentum ita examinatum certissimas polliceretur observationes, methodo insuper adhibita Thermometrum plane corrigendi, ad novam Refractionis Tabulam condendam observationes pervestigavi stellarum 58 circumpolarium, quae a stella $\alpha$ *Ursae minoris* culminant usque ad distantiam zenithalem 86° 27′. Quum Refractionis variationes, a temperatura profectas, ex observationibus 56 stellarum, quarum distantia zenithalis 60° transcenderet, determinare operam dedissem, inveni, densitatem aëris in temperatura $x$ pro scala centesimali Thermometri sumendam esse

$$= \frac{1}{1 + x \,.\, 0,0036438}$$

ut observationes quam accuratissime repraesentarentur. Hunc quidem coefficientem Cel. *Gay-Lussac* invenit $= 0,00375$, sed quum hic pro aëre sicco, cujus majores fere sunt respectu Refractionis mutationes, quam aëris humore satiati, numerus inventus a me medio cuidam humoris statui respondet, ita ut posito hoc statu, hic cum illo consentiat numerus. Quam ob caussam illi numero numerum praeferre non dubitavi meum. Porro hac posita deter-

minatione inveni, Refractiones in Tabula „Fundamentorum Astronomiae" multiplicandas esse per 1,003282, ut, quantum fieri possit, cum observationibus Regiomontanis consentiant. Serius Barometri altitudines, in his observationibus adhibiti, dimidia Linea Parisiensi augendas esse cognovi, quo efficitur, ut Barometri altitudo, pro qua Refractiones per 1,003282 multiplicatae valent, non adaequat Lineas Parisinas 333,28, ut suppositum est in disquisitione, sed Lineas 333,78. Quae correctio differentiam inter recentem et veterem determinationem vel minorem praebet, quia nunc tantum est in ratione 1 : 0,001779, quod, quum pro distantia zenithali 80° nondum 0″,6 assequatur, profecto limites non egrediatur incertitudinis, qua *Bradleji* instrumenta meteorologica sunt affecta. Utramque igitur determinationem inter se congruere, supponendum est, meaque quidem sententia etiam observationes Grenovicenses reduci poterunt secundum Tabulam Regiomontanam, in qua respectu instrumentorum meteorologicorum nihil incertum residet.

Secundum has igitur pervestigationes Refractionem habemus:

$$= (1 + k)\,\delta\theta \,.\, \beta^{\Delta} \,.\, \gamma^{\lambda}$$

ubi $k = 0{,}003282$, $\beta$ significat Barometri altitudinem divisam per 333,78 Lineas (utramque altitudinem supponimus reductam ad easdem et mercurii et scalae temperaturas), $\gamma$ aëris densitatem, quatenus a sola temperatura pendentem, item divisam per densitatem eam, quae pro 48°,75 Thermometri Fahrenheitiani locum habet. Aëris temperaturam, prout illam sive scala Fahrenheitiana metiamur, sive Réaumuriana, sive Centesimali, notabimus per $f$, $r$, $c$; Barometri temperaturam per $f'$, $r'$, $c'$, Barometri altitudinem sive Lineis Parisiensibus, sive digitis Anglicis, sive partibus Metri Gallici expressam per $b^{(l)}$, $b^{(e)}$, $b^{(m)}$ significabimus. Quoniam normalis temperaturae sunt harum mensurarum resp. $r' = 13°{,}0$, $f' = 62°$, $c' = 0$, Barometri altitudo ad veram mensuram reducta erit resp.

$$b^{(l)}\,\frac{80 + r's}{80 + 13\,.\,s}; \quad b^{(e)}\,\frac{180 + (f' - 32)s}{180 + 30\,.\,s}; \quad b^{(m)}\,\frac{100 + c's}{100}$$

ubi $s$ extensionem indicat scalae a puncto glaciali usque ad punctum aquae bullientis, et si scala erit ex aurichalco fabricata, $= 0{,}0018782$. Sed quia digitus Anglicus metitur Lineas Parisienses 12 : 1,065765, Metrum vero 443,296, habebimus

$$b^{(l)}\,\frac{80 + r's}{80 + 13s} = b^{(e)}\,\frac{12}{1{,}065765} \,.\, \frac{180 + (f' - 32)\,s}{180 + 30s}$$

$$= b^{(m)}\,443{,}296 \,.\, \frac{100 + c's}{100}$$

Supposita normalis Barometri altitudo Linearum 333,78, quam scala dimetiamur, cujus sit temperatura $f' = 50°$ sive $r' = 8°$ sive $c' = 10°$, vera Parisiensi mensura expressa, erit

$$333{,}78\,\frac{80 + 8\,.\,s}{80 + 13\,.\,s}$$

porro mercurii densitas, quae pro eadem temperatura sumpta est pro unitate, erit

$$= \frac{80 + 8 . q}{80 + s' . q} = \frac{180 + 18 q}{180 + (f' - 32) q} = \frac{100 + 10 . q}{100 + c' . q}$$

ubi $q$ extensionem significat a puncto gelationis usque ad punctum ferventis aquae $= \frac{1}{55,5}$. Quantitas igitur $\beta$ e duobus composita est factoribus $B$ et $T$, quorum prior a sola Barometri altitudine, alter pendet a temperatura Barometri. Prior ille hic est:

$$B = \frac{b^{(l)}}{333,78} \cdot \frac{80 + 8 . q}{80 + 8 . s}$$

$$= \frac{b^{(e)}}{333,78} \cdot \frac{12}{1,065765} \cdot \frac{80 + 13 s}{80 + 8 s} \cdot \frac{180 + 18 . q}{180 + 30 . s}$$

$$= b^{(m)} . \frac{443,296}{333,78} \cdot \frac{80 + 13 s}{80 + 8 s} \cdot \frac{100 + 10 . q}{100}$$

alter

$$T = \frac{80 + r' s}{80 + r' q} = \frac{180 + (f' - 32) s}{180 + (f' - 32) q} = \frac{100 + c' s}{100 + c' q}$$

Tabula continet logarithmos duorum illorum factorum quantitatis $\beta$ pro quoque Argumento, porro logarithmum continet ipsius

$$\gamma = \frac{180 + 16,75 . 0,36438}{180 + (f - 32) 0,36438}$$

$$= \frac{180 + 16,75 . 0,36438}{180 + \frac{9}{4} r . 0,36438}$$

$$= \frac{180 + 16,75 . 0,36438}{180 + \frac{9}{5} c . 0,36438}$$

pro tribus illis variorum Thermometrorum scalis. Loco logarithmi ipsius $(1 + k) \delta\theta$ continet $\mathrm{Log}\, \alpha$ ita sumptum, ut sit

$$\mathrm{Log}\, [(1 + k) \delta\theta] = \mathrm{Log}\, \alpha + \text{Log. Tang. Dist. a Vert.}$$

Ergo habebimus logarithmum Refractionis:

$$= l . \mathrm{Tang}\, \theta + l . \alpha + A \{ l . B + l . T \} + \lambda . l . \gamma.$$

Tabula hoc modo comparata usque ad distantiam zenithalem 85° continuata est. Usque ad hunc fere terminum ipsam examinavi observationibus meridianis, quas supra memoravi. Sed pro distantiis majoribus a Vertice Cl. *Argelander*, qui nunc praepositus est speculae Aboensi, tunc temporis adjunctus erat Regiomontanae, annis 1820 et 1821 numerosas fecit circa stellas occidentes observationes, ex quibus Tabulae in „Fundamentis Astronomiae" expositae errores pro dimidio quoque gradu distantiae zenithalis sunt derivati. *Observatas* has Refractiones quasi supplementum Tabulae adjeci, cujus reductio ad alias Barometri altitudines aliasque temperaturas ope ejusdem formulae supra explicatae efficitur; valores quantitatum $A$ et $\lambda$ ad hanc reductionem accommodati e „Fund. Astr." deprompti sunt.

Neminem fugit, strata aëris inaequaliter esse calefacta et hanc ob caussam eorum aequilibrium esse perturbatum. Cujus quoniam contrarium debet quaeque theoria supponere, apertum est, theoriam non semper cum observa-

tionibus posse consentire, sed mediis tantum Refractionum valoribus se applicare. Ex quo perspicuum est, necessarium esse, verisimilem cujusque Refractionis computatae errorem ex inaequalitatibus, quae in observationum serie satis longa reperiantur, pro unaquaque distantia zenithali deducere, ut, quae sit Tabulae fides habenda in unoquoque casu, judicare possimus. Hujus rei disquisitio, quae Regiomontanis nitebatur observationibus, mihi haec suppeditavit.

*Error verisimilis unius Refractionis ope Tabulae computatae.*

| D. a V. | ± | D. a V. | ± |
|---|---|---|---|
| 45° | 0″,27 | 85° 0′ | 1″,71 |
| 60 | 0,34 | 30 | 2,00 |
| 65 | 0,37 | 86 0 | 2,40 |
| 70 | 0,46 | 30 | 2,63 |
| 75 | 0,66 | 87 0 | 3,87 |
| 80 | 0,92 | 30 | 5,30 |
| 81 | 1,00 | 88 0 | 7,74 |
| 82 | 1,11 | 30 | 10,58 |
| 83 | 1,25 | 89 0 | 16,84 |
| 84 | 1,43 | 30 | 20,01 |

Ex quo perspicuum est, inaequalitates e memoratis caussis ortas, s temperatura et Barometri altitudo ad normam Tabulae meae ad calculos vocatae fuerint, in ultimis demum distantiae zenithalis gradibus valde sensibiles esse.

*Exemplum.* Quaeritur Refractio pro apparente distantia zenithali $\theta =$ 83° 13′ 20″, pro Barometri altitudine 335,20 Linearum Paris., pro temperatura Barometri $= -$ 18°,0 *C.*, temperatura aëris $= -$ 7°,0 *F.*

Tabula XIV suppeditat

| | | | |
|---|---|---|---|
| | $l\alpha =$ | 1,73062 | $A = 1{,}0079$, $\lambda = 1{,}0794$ |
| Log Tang $\theta$ ..... | | 0,92500 | |
| $l.B = +$ 254 | | | |
| $l.T = +$ 126 | | | |
| $l\beta = +$ 380; | $Al\beta$.... | 0,00383 | |
| $l\gamma = +$4545; | $\lambda l\gamma$.... | 0.04906 | |
| | | 2,70851 | |

Refractio $=$ 8′ 31″,10.

# Tabula I.

*Reductionis diei ad annum fictum pars prima = k.*

| | h ′ ″ | | | h ′ ″ | |
|---|---|---|---|---|---|
| 1750 | + 0 14 25,3 | + 0,010 | 1790 | + 7 42 25,7 | + 0,321 |
| 1751 | − 5 34 22,8 | − 0,232 | 1791 | + 1 53 37,8 | + 0,079 |
| 1752 | + 12 36 49,1 | + 0,526 | 1792 | + 20 4 50,0 | + 0,837 |
| 1753 | + 6 48 1,0 | + 0,283 | 1793 | + 14 16 2,1 | + 0,594 |
| 1754 | + 0 59 12,9 | + 0,041 | 1794 | + 8 27 14,3 | + 0,352 |
| 1755 | − 4 49 35,1 | − 0,201 | 1795 | + 2 38 26,4 | + 0,110 |
| 1756 | + 13 21 36,8 | + 0,557 | 1796 | + 20 49 38,6 | + 0,868 |
| 1757 | + 7 32 48,7 | + 0,314 | 1797 | + 15 0 50,8 | + 0,626 |
| 1758 | + 1 44 0,6 | + 0,072 | 1798 | + 9 12 2,9 | + 0,383 |
| 1759 | − 4 4 47,4 | − 0,170 | 1799 | + 3 23 15,1 | + 0,141 |
| 1760 | + 14 6 24,5 | + 0,588 | 1800 | − 2 25 32,7 | − 0,101 |
| 1761 | + 8 17 36,5 | + 0,346 | 1801 | − 8 14 20,5 | − 0,343 |
| 1762 | + 2 28 48,4 | + 0,103 | 1802 | − 14 3 8,3 | − 0,586 |
| 1763 | − 3 19 59,6 | − 0,139 | 1803 | − 19 51 56,1 | − 0,828 |
| 1764 | + 14 51 12,4 | + 0,619 | 1804 | − 1 40 43,9 | − 0,070 |
| 1765 | + 9 2 24,4 | + 0,377 | 1805 | − 7 29 31,7 | − 0,312 |
| 1766 | + 3 13 36,3 | + 0,134 | 1806 | − 13 18 19,5 | − 0,554 |
| 1767 | − 2 35 11,7 | − 0,108 | 1807 | − 19 7 7,2 | − 0,797 |
| 1768 | + 15 36 0,3 | + 0,650 | 1808 | − 0 55 55,0 | − 0,039 |
| 1769 | + 9 47 12,3 | + 0,408 | 1809 | − 6 44 42,8 | − 0,281 |
| 1770 | + 3 58 24,3 | + 0,166 | 1810 | − 12 33 30,5 | − 0,523 |
| 1771 | − 1 50 23,7 | − 0,077 | 1811 | − 18 22 18,3 | − 0,765 |
| 1772 | + 16 20 48,4 | + 0,681 | 1812 | − 0 11 6,0 | − 0,008 |
| 1773 | + 10 32 0,4 | + 0,439 | 1813 | − 5 59 53,8 | − 0,250 |
| 1774 | + 4 43 12,4 | + 0,197 | 1814 | − 11 48 41,5 | − 0,492 |
| 1775 | − 1 5 35,5 | − 0,046 | 1815 | − 17 37 29,2 | − 0,734 |
| 1776 | + 17 5 36,5 | + 0,712 | 1816 | + 0 33 43,1 | + 0,023 |
| 1777 | + 11 16 48,5 | + 0,470 | 1817 | − 5 15 4,6 | − 0,219 |
| 1778 | + 5 28 0,6 | + 0,228 | 1818 | − 11 3 52,3 | − 0,461 |
| 1779 | − 0 20 47,3 | − 0,014 | 1819 | − 16 52 40,0 | − 0,703 |
| 1780 | + 17 50 24,7 | + 0,743 | 1820 | + 1 13 32,3 | + 0,055 |
| 1781 | + 12 1 36,8 | + 0,501 | 1821 | − 4 30 15,4 | − 0,188 |
| 1782 | + 6 12 48,9 | + 0,259 | 1822 | − 10 19 3,1 | − 0,430 |
| 1783 | + 0 24 1,0 | + 0,017 | 1823 | − 16 7 50,8 | − 0,672 |
| 1784 | + 18 35 13,1 | + 0,774 | 1824 | + 2 3 21,5 | + 0,086 |
| 1785 | + 12 46 25,1 | + 0,532 | 1825 | − 3 45 26,1 | − 0,157 |
| 1786 | + 6 57 37,2 | + 0,290 | 1826 | − 9 34 13,8 | − 0,399 |
| 1787 | + 1 8 49,4 | + 0,048 | 1827 | − 15 23 1,4 | − 0,641 |
| 1788 | + 19 20 1,5 | + 0,806 | 1828 | + 2 48 10,9 | + 0,117 |
| 1789 | + 13 31 13,6 | + 0,563 | 1829 | − 3 0 36,7 | − 0,125 |

## Tabula I. *continuata.*

| | h ′ ″ | | | h ′ ″ | |
|---|---|---|---|---|---|
| 1830 | − 8 49 24,4 | − 0,368 | 1840 | + 5 2 39,6 | + 0,210 |
| 1831 | − 14 38 12,0 | − 0,610 | 1841 | − 0 46 8,0 | − 0,032 |
| 1832 | + 3 33 0,4 | + 0,148 | 1842 | − 6 34 55,6 | − 0,274 |
| 1833 | − 2 15 47,2 | − 0,094 | 1843 | − 12 23 43,1 | − 0,516 |
| 1834 | − 8 4 34,8 | − 0,337 | 1844 | + 5 47 29,3 | + 0,241 |
| 1835 | − 13 53 22,5 | − 0,579 | 1845 | − 0 1 18,2 | − 0,001 |
| 1836 | + 4 17 49,9 | + 0,179 | 1846 | − 5 50 5,8 | − 0,243 |
| 1837 | − 1 30 57,7 | − 0,063 | 1847 | − 11 38 53,3 | − 0,485 |
| 1838 | − 7 19 45,3 | − 0,305 | 1848 | + 6 32 19,2 | + 0,272 |
| 1839 | − 13 8 32,8 | − 0,548 | 1849 | + 0 43 31,7 | + 0,030 |

## Tabula II.

*Reductionis diei ad annum fictum pars secunda = d.*

| | h ′ ″ | |
|---|---|---|
| Aboa | − 1 19 49,2 | − 0,056 |
| Altona | − 0 30 25,0 | − 0,021 |
| Berolinum | − 0 44 12,6 | − 0,031 |
| Brema | − 0 25 54,0 | − 0,018 |
| Dorpatum | − 1 37 33,5 | − 0,068 |
| Eblana | + 0 34 36,0 | + 0,024 |
| Florentia | − 0 35 42,0 | − 0,025 |
| Gotha (Seeberg) | − 0 33 34,9 | − 0,023 |
| Gottinga | − 0 30 25,0 | − 0,021 |
| Grenovicum | + 0 9 21,6 | + 0,007 |
| Hafnia | − 0 40 58,4 | − 0,028 |
| Manhemium | − 0 24 30,0 | − 0,017 |
| Massilia | − 0 12 7,5 | − 0,008 |
| Mediolanum | − 0 27 25,0 | − 0,019 |
| Monachium | − 0 37 4,9 | − 0,026 |
| Nicolaef | − 1 58 39,8 | − 0,082 |
| Panormus | − 0 44 7,0 | − 0,031 |
| Parisii | 0 0 0,0 | 0,000 |
| Regiomontum | − 1 12 39,0 | − 0,050 |
| Vienna | − 0 56 10,4 | − 0,039 |

*Reductio diei = k + d.*

# Tabula III.

*Praecessio Aequinoctiorum media.*

| | Praecessio annua | | Obliquitas Ecliptices | |
|---|---|---|---|---|
| | Lunisol. | General. | fixae pro 1750 | verae |
| | ″ | ″ | ° ′ ″ | ° ′ ″ |
| 1750 | 50,37572 | 50,21129 | 23 28 18,000 | 23 28 18,000 |
| 1760 | 50,37328 | 50,21373 | 18,001 | 28 13,163 |
| 1770 | 50,37085 | 50,21617 | 18,004 | 28 8,325 |
| 1780 | 50,36841 | 50,21862 | 18,009 | 28 3,487 |
| 1790 | 50,36598 | 50,22106 | 18,016 | 27 58,648 |
| 1800 | 50,36354 | 50,22350 | 18,025 | 27 53,809 |
| 1810 | 50,36110 | 50,22594 | 18,035 | 27 48,969 |
| 1820 | 50,35867 | 50,22839 | 18,048 | 27 44,129 |
| 1830 | 50,35623 | 50,23083 | 18,063 | 27 39,288 |
| 1840 | 50,35380 | 50,23328 | 18,080 | 27 34,447 |
| 1850 | 50,35136 | 50,23572 | 18,098 | 27 29,605 |

| | $m$ | $n$ | Log. $n$ | $\pi$ | $M$ |
|---|---|---|---|---|---|
| | ″ | ″ | | ″ | ° ′ ″ |
| 1750 | 46,02824 | 20,06442 | 1,30243 | 0,48892 | 171 36 10 |
| 1760 | 46,03133 | 20,06345 | 1,30241 | 0,48886 | 171 42 48 |
| 1770 | 46,03441 | 20,06248 | 1,30238 | 0,48880 | 171 49 26 |
| 1780 | 46,03750 | 20,06151 | 1,30236 | 0,48874 | 171 56 4 |
| 1790 | 46,04059 | 20,06054 | 1,30234 | 0,48867 | 172 2 42 |
| 1800 | 46,04367 | 20,05957 | 1,30232 | 0,48861 | 172 9 20 |
| 1810 | 46,04676 | 20,05860 | 1,30230 | 0,48855 | 172 15 57 |
| 1820 | 46,04984 | 20,05763 | 1,30228 | 0,48849 | 172 22 35 |
| 1830 | 46,05293 | 20,05666 | 1,30226 | 0,48843 | 172 29 13 |
| 1840 | 46,05601 | 20,05569 | 1,30224 | 0,48837 | 172 35 51 |
| 1850 | 46,05910 | 20,05472 | 1,30222 | 0,48831 | 172 42 29 |

Variationes annuae locorum stellarum fixarum inveniuntur secundum formulas sequentes:

A. R. . $\alpha$ ..... $m + n$ Sin $\alpha$ tang $\delta$.

Decl. . $\delta$ ..... $n$ Cos $\alpha$.

Long. . $l$ ..... $\pi$ Cos $(l - M)$ tang $b$ + Praecess. generalis.

Lat. . $b$ ..... $- \pi$ Sin $(l - M)$.

# Tabula IV.

*Nutatio Lunaris puncti aequinoctialis pro Longitudine et Adscensione recta, atque Obliquitas Ecliptices media addita Nutatione Lunari.*

| | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ |
| 1750 | Jan. 0 | +16,44 | +1,005 | 23 28 19,34 |
| | Apr. 10 | +16,69 | +1,020 | 18,40 |
| | Jul. 19 | +16,79 | +1,026 | 17,45 |
| | Oct. 27 | +16,75 | +1,024 | 16,50 |
| | Dec. 66 | +16,56 | +1,013 | 15,54 |
| 1751 | Jan. 0 | +16,64 | +1,017 | 23 28 15,87 |
| | Apr. 10 | +16,36 | +1,000 | 14,93 |
| | Jul. 19 | +15,94 | +0,975 | 14,00 |
| | Oct. 27 | +15,38 | +0,941 | 13,10 |
| | Dec. 66 | +14,68 | +0,898 | 12,22 |
| 1752 | Jan. 1 | +14,94 | +0,914 | 23 28 12,52 |
| | Apr. 10 | +14,16 | +0,866 | 11,67 |
| | Jul. 19 | +13,26 | +0,811 | 10,87 |
| | Oct. 27 | +12,24 | +0,748 | 10,11 |
| | Dec. 66 | +11,09 | +0,678 | 9,39 |
| 1753 | Jan. 0 | +11,50 | +0,703 | 23 28 9,63 |
| | Apr. 10 | +10,30 | +0,630 | 8,96 |
| | Jul. 19 | + 9,01 | +0,551 | 8,36 |
| | Oct. 27 | + 7,64 | +0,467 | 7,82 |
| | Dec. 66 | + 6,19 | +0,378 | 7,34 |
| 1754 | Jan. 0 | + 6,69 | +0,409 | 23 28 7,50 |
| | Apr. 10 | + 5,21 | +0,319 | 7,07 |
| | Jul. 19 | + 3,69 | +0,226 | 6,73 |
| | Oct. 27 | + 2,13 | +0,130 | 6,46 |
| | Dec. 66 | + 0,54 | +0,033 | 6,26 |
| 1755 | Jan. 0 | + 1,09 | +0,066 | 23 28 6,32 |
| | Apr. 10 | — 0,50 | —0,031 | 6,18 |
| | Jul. 19 | — 2,08 | —0,127 | 6,12 |
| | Oct. 27 | — 3,63 | —0,222 | 6,14 |
| | Dec. 66 | — 5,18 | —0,317 | 6,23 |
| 1756 | Jan. 1 | — 4,65 | —0,286 | 23 28 6,19 |
| | Apr. 10 | — 6,15 | —0,377 | 6,34 |
| | Jul. 19 | — 7,59 | —0,464 | 6,56 |
| | Oct. 27 | — 8,96 | —0,548 | 6,85 |
| | Dec. 66 | —10,27 | —0,628 | 7,21 |
| 1757 | Jan. 0 | — 9,83 | —0,601 | 23 28 7,08 |
| | Apr. 10 | —11,07 | —0,677 | 7,48 |
| | Jul. 19 | —12,20 | —0,746 | 7,94 |
| | Oct. 27 | —13,22 | —0,809 | 8,44 |
| | Dec. 66 | —14,14 | —0,865 | 8,99 |

| | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ |
| 1758 | Jan. 0 | —13,84 | —0,846 | 23 28 8,80 |
| | Apr. 10 | —14,67 | —0,897 | 9,38 |
| | Jul. 19 | —15,36 | —0,939 | 10,00 |
| | Oct. 27 | —15,92 | —0,974 | 10,65 |
| | Dec. 66 | —16,35 | —1,000 | 11,33 |
| 1759 | Jan. 0 | —16,22 | —0,992 | 23 28 11,10 |
| | Apr. 10 | —16,55 | —1,012 | 11,79 |
| | Jul. 19 | —16,74 | —1,024 | 12,48 |
| | Oct. 27 | —16,78 | —1,027 | 13,18 |
| | Dec. 66 | —16,69 | —1,021 | 13,89 |
| 1760 | Jan. 1 | —16,74 | —1,024 | 23 28 13,65 |
| | Apr. 10 | —16,55 | —1,012 | 14,35 |
| | Jul. 19 | —16,22 | —0,992 | 15,03 |
| | Oct. 27 | —15,76 | —0,963 | 15,69 |
| | Dec. 66 | —15,15 | —0,927 | 16,33 |
| 1761 | Jan. 0 | —15,37 | —0,940 | 23 28 16,11 |
| | Apr. 10 | —14,69 | —0,898 | 16,72 |
| | Jul. 19 | —13,89 | —0,850 | 17,30 |
| | Oct. 27 | —12,98 | —0,794 | 17,83 |
| | Dec. 66 | —11,95 | —0,731 | 18,32 |
| 1762 | Jan. 0 | —12,32 | —0,753 | 23 28 18,16 |
| | Apr. 10 | —11,23 | —0,687 | 18,61 |
| | Jul. 19 | —10,06 | —0,615 | 19,00 |
| | Oct. 27 | — 8,81 | —0,539 | 19,33 |
| | Dec. 66 | — 7,47 | —0,457 | 19,61 |
| 1763 | Jan. 0 | — 7,94 | —0,485 | 23 28 19,52 |
| | Apr. 10 | — 6,57 | —0,401 | 19,75 |
| | Jul. 19 | — 5,16 | —0,315 | 19,91 |
| | Oct. 27 | — 3,70 | —0,226 | 20,00 |
| | Dec. 66 | — 2,20 | —0,135 | 20,02 |
| 1764 | Jan. 1 | — 2,72 | —0,166 | 23 28 20,02 |
| | Apr. 10 | — 1,22 | —0,074 | 19,99 |
| | Jul. 19 | + 0,29 | +0,018 | 19,89 |
| | Oct. 27 | + 1,79 | +0,110 | 19,71 |
| | Dec. 66 | + 3,30 | +0,202 | 19,46 |
| 1765 | Jan. 0 | + 2,79 | +0,170 | 23 28 19,56 |
| | Apr. 10 | + 4,27 | +0,261 | 19,26 |
| | Jul. 19 | + 5,70 | +0,349 | 18,90 |
| | Oct. 27 | + 7,10 | +0,434 | 18,46 |
| | Dec. 66 | + 8,46 | +0,517 | 17,95 |

## Tabula IV. *continuata.*

| | | Long. | A. R. | Obl. Ecl. | | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ | | | ″ | ″ | ° ′ ″ |
| 1766 | Jan. 0 | + 8,00 | +0,489 | 23 28 18,13 | 1775 | Jan. 0 | — 6,76 | —0,413 | 23 27 57,91 |
| | Apr. 10 | + 9,30 | +0,569 | 17,60 | | Apr. 10 | — 8,18 | —0,500 | 58,17 |
| | Jul. 19 | +10,52 | +0,643 | 16,98 | | Jul. 19 | — 9,51 | —0,582 | 58,48 |
| | Oct. 27 | +11,66 | +0,713 | 16,32 | | Oct. 27 | —10,77 | —0,659 | 58,85 |
| | Dec. 66 | +12,71 | +0,778 | 15,59 | | Dec. 66 | —11,94 | —0,730 | 59,31 |
| 1767 | Jan. 0 | +12,36 | +0,756 | 23 28 15,84 | 1776 | Jan. 1 | —11,55 | —0,706 | 23 27 59,15 |
| | Apr. 10 | +13,34 | +0,816 | 15,09 | | Apr. 10 | —12,64 | —0,773 | 59,63 |
| | Jul. 19 | +14,21 | +0,869 | 14,29 | | Jul. 19 | —13,62 | —0,833 | 28 0,15 |
| | Oct. 27 | +14,97 | +0,915 | 13,45 | | Oct. 27 | —14,47 | —0,885 | 0,73 |
| | Dec. 66 | +15,60 | +0,954 | 12,57 | | Dec. 66 | —15,21 | —0,930 | 1,35 |
| 1768 | Jan. 1 | +15,40 | +0,942 | 23 28 12,88 | 1777 | Jan. 0 | —14,97 | —0,916 | 23 28 1,13 |
| | Apr. 10 | +15,95 | +0,975 | 11,98 | | Apr. 10 | —15,61 | —0,955 | 1,77 |
| | Jul. 19 | +16,36 | +1,000 | 11,06 | | Jul. 19 | —16,12 | —0,986 | 2,43 |
| | Oct. 27 | +16,64 | +1,017 | 10,13 | | Oct. 27 | —16,48 | —1,008 | 3,11 |
| | Dec. 66 | +16,77 | +1,026 | 9,17 | | Dec. 66 | —16,71 | —1,022 | 3,81 |
| 1769 | Jan. 0 | +16,74 | +1,024 | 23 28 9,50 | 1778 | Jan. 0 | —16,65 | —1,018 | 23 28 3,57 |
| | Apr. 10 | +16,79 | +1,026 | 8,55 | | Apr. 10 | —16,78 | —1,026 | 4,28 |
| | Jul. 19 | +16,69 | +1,020 | 7,60 | | Jul. 19 | —16,76 | —1,025 | 4,98 |
| | Oct. 27 | +16,44 | +1,005 | 6,65 | | Oct. 27 | —16,61 | —1,015 | 5,67 |
| | Dec. 66 | +16,05 | +0,982 | 5,72 | | Dec. 66 | —16,31 | —0,997 | 6,36 |
| 1770 | Jan. 0 | +16,20 | +0,991 | 23 28 6,04 | 1779 | Jan. 0 | —16,43 | —1,005 | 23 28 6,13 |
| | Apr. 10 | +15,72 | +0,961 | 5,12 | | Apr. 10 | —16,04 | —0,981 | 6,80 |
| | Jul. 19 | +15,11 | +0,924 | 4,23 | | Jul. 19 | —15,52 | —0,949 | 7,45 |
| | Oct. 27 | +14,36 | +0,878 | 3,37 | | Oct. 27 | —14,87 | —0,909 | 8,07 |
| | Dec. 66 | +13,48 | +0,825 | 2,55 | | Dec. 66 | —14,09 | —0,862 | 8,66 |
| 1771 | Jan. 0 | +13,80 | +0,844 | 23 28 2,82 | 1780 | Jan. 1 | —14,37 | —0,879 | 23 28 8,46 |
| | Apr. 10 | +12,84 | +0,785 | 2,03 | | Apr. 10 | —13,52 | —0,827 | 9,02 |
| | Jul. 19 | +11,78 | +0,720 | 1,30 | | Jul. 19 | —12,57 | —0,769 | 9,53 |
| | Oct. 27 | +10,60 | +0,648 | 0,62 | | Oct. 27 | —11,51 | —0,704 | 9,99 |
| | Dec. 66 | + 9,32 | +0,570 | 27 59,99 | | Dec. 66 | —10,35 | —0,633 | 10,41 |
| 1772 | Jan. 1 | + 9,77 | +0,598 | 23 28 0,20 | 1781 | Jan. 0 | —10,76 | —0,658 | 23 28 10,27 |
| | Apr. 10 | + 8,44 | +0,516 | 27 59,61 | | Apr. 10 | — 9,54 | —0,584 | 10,64 |
| | Jul. 19 | + 7,05 | +0,431 | 59,10 | | Jul. 19 | — 8,26 | —0,505 | 10,95 |
| | Oct. 27 | + 5,58 | +0,341 | 58,66 | | Oct. 27 | — 6,91 | —0,423 | 11,19 |
| | Dec. 66 | + 4,05 | +0,248 | 58,30 | | Dec. 66 | — 5,50 | —0,336 | 11,37 |
| 1773 | Jan. 0 | + 4,58 | +0,280 | 23 27 58,41 | 1782 | Jan. 0 | — 5,99 | —0,366 | 23 28 11,32 |
| | Apr. 10 | + 3,03 | +0,186 | 58,10 | | Apr. 10 | — 4,55 | —0,278 | 11,45 |
| | Jul. 19 | + 1,47 | +0,090 | 57,86 | | Jul. 19 | — 3,08 | —0,189 | 11,51 |
| | Oct. 27 | — 0,11 | —0,007 | 57,70 | | Oct. 27 | — 1,59 | —0,097 | 11,50 |
| | Dec. 66 | — 1,70 | —0,104 | 57,62 | | Dec. 66 | — 0,07 | —0,004 | 11,42 |
| 1774 | Jan. 0 | — 1,16 | —0,071 | 23 27 57,64 | 1783 | Jan. 0 | — 0,59 | —0,036 | 23 28 11,45 |
| | Apr. 10 | — 3,74 | —0,167 | 57,61 | | Apr. 10 | + 0,92 | +0,056 | 11,32 |
| | Jul. 19 | — 4,28 | —0,262 | 57,66 | | Jul. 19 | + 2,42 | +0,148 | 11,11 |
| | Oct. 27 | — 5,79 | —0,354 | 57,79 | | Oct. 27 | + 3,90 | +0,238 | 10,83 |
| | Dec. 66 | — 7,26 | —0,444 | 57,99 | | Dec. 66 | + 5,37 | +0,328 | 10,48 |

## Tabula IV. *continuata.*

| | | Long. | A. R. | Obl. Ecl. | | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ | | | ″ | ″ | ° ′ ″ |
| 1784 | Jan. 1 | + 4,87 | +0,298 | 23 28 10,61 | 1793 | Jan. 0 | — 3,38 | —0,207 | 23 27 49,12 |
| | Apr. 10 | + 6,30 | +0,385 | 10,22 | | Apr. 10 | — 4,92 | —0,301 | 49,20 |
| | Jul. 19 | + 7,67 | +0,469 | 9,75 | | Jul. 19 | — 6,40 | —0,391 | 49,36 |
| | Oct. 27 | + 8,98 | +0,549 | 9,22 | | Oct. 27 | — 7,83 | —0,479 | 49,59 |
| | Dec. 66 | +10,24 | +0,626 | 8,61 | | Dec. 66 | — 9,20 | —0,563 | 49,89 |
| 1785 | Jan. 0 | + 9,82 | +0,600 | 23 28 8,83 | 1794 | Jan. 0 | — 8,74 | —0,535 | 23 27 49,78 |
| | Apr. 10 | +11,01 | +0,673 | 8,20 | | Apr. 10 | —10,09 | —0,615 | 50,13 |
| | Jul. 19 | +12,11 | +0,740 | 7,51 | | Jul. 19 | —11,27 | —0,689 | 50,53 |
| | Oct. 27 | +13,11 | +0,802 | 6,77 | | Oct. 27 | —12,38 | —0,757 | 50,99 |
| | Dec. 66 | +14,02 | +0,857 | 5,98 | | Dec. 66 | —13,40 | —0,819 | 51,52 |
| 1786 | Jan. 0 | +13,72 | +0,839 | 23 28 6,26 | 1795 | Jan. 0 | —13,06 | —0,799 | 23 27 51,33 |
| | Apr. 10 | +14,55 | +0,889 | 5,44 | | Apr. 10 | —13,99 | —0,856 | 51,88 |
| | Jul. 19 | +15,25 | +0,932 | 4,59 | | Jul. 19 | —14,79 | —0,905 | 52,47 |
| | Oct. 27 | +15,82 | +0,968 | 3,70 | | Oct. 27 | —15,46 | —0,946 | 53,10 |
| | Dec. 66 | +16,27 | +0,995 | 2,78 | | Dec. 66 | —16,01 | —0,979 | 53,76 |
| 1787 | Jan. 0 | +16,13 | +0,987 | 23 28 3,10 | 1796 | Jan. 1 | —15,84 | —0,969 | 23 27 53,53 |
| | Apr. 10 | +16,49 | +1,009 | 2,17 | | Apr. 10 | —16,29 | —0,996 | 54,20 |
| | Jul. 19 | +16,71 | +1,022 | 1,23 | | Jul. 19 | —16,59 | —1,015 | 54,89 |
| | Oct. 27 | +16,79 | +1,027 | 0,28 | | Oct. 27 | —16,76 | —1,025 | 55,59 |
| | Dec. 66 | +16,72 | +1,023 | 27 59,32 | | Dec. 66 | —16,78 | —1,026 | 56,30 |
| 1788 | Jan. 1 | +16,76 | +1,025 | 23 27 59,65 | 1797 | Jan. 0 | —16,79 | —1,027 | 23 27 56,06 |
| | Apr. 10 | +16,60 | +1,015 | 58,70 | | Apr. 10 | —16,71 | —1,022 | 56,76 |
| | Jul. 19 | +16,30 | +0,997 | 57,76 | | Jul. 19 | —16,50 | —1,009 | 57,45 |
| | Oct. 27 | +15,85 | +0,970 | 56,84 | | Oct. 27 | —16,14 | —0,987 | 58,13 |
| | Dec. 66 | +15,27 | +0,934 | 55,93 | | Dec. 66 | —15,65 | —0,957 | 58,79 |
| 1789 | Jan. 0 | +15,49 | +0,947 | 23 27 56,24 | 1798 | Jan. 0 | —15,84 | —0,969 | 23 27 58,57 |
| | Apr. 10 | +14,81 | +0,906 | 55,36 | | Apr. 10 | —15,26 | —0,934 | 59,21 |
| | Jul. 19 | +14,01 | +0,857 | 54,52 | | Jul. 19 | —14,56 | —0,891 | 59,81 |
| | Oct. 27 | +13,09 | +0,801 | 53,71 | | Oct. 27 | —13,74 | —0,841 | 28 0,38 |
| | Dec. 66 | +12,04 | +0,736 | 52,96 | | Dec. 66 | —12,80 | —0,783 | 0,91 |
| 1790 | Jan. 0 | +12,41 | +0,759 | 23 27 53,22 | 1799 | Jan. 0 | —13,14 | —0,804 | 23 28 0,73 |
| | Apr. 10 | +11,30 | +0,691 | 52,50 | | Apr. 10 | —12,14 | —0,742 | 1,22 |
| | Jul. 19 | +10,09 | +0,617 | 51,84 | | Jul. 19 | —11,04 | —0,675 | 1,66 |
| | Oct. 27 | + 8,79 | +0,537 | 51,25 | | Oct. 27 | — 9,85 | —0,602 | 2,05 |
| | Dec. 66 | + 7,39 | +0,452 | 50,71 | | Dec. 66 | — 8,58 | —0,524 | 2,38 |
| 1791 | Jan. 0 | + 7,87 | +0,481 | 23 27 50,89 | 1800 | Jan. 0 | — 9,02 | —0,552 | 23 28 2,27 |
| | Apr. 10 | + 6,44 | +0,394 | 50,40 | | Apr. 10 | — 7,70 | —0,471 | 2,55 |
| | Jul. 19 | + 4,96 | +0,303 | 50,00 | | Jul. 19 | — 6,33 | —0,387 | 2,77 |
| | Oct. 27 | + 3,43 | +0,209 | 49,66 | | Oct. 27 | — 4,91 | —0,300 | 2,92 |
| | Dec. 66 | + 1,85 | +0,113 | 49,40 | | Dec. 66 | — 3,43 | —0,210 | 3,00 |
| 1792 | Jan. 1 | + 2,39 | +0,146 | 23 27 49,48 | 1801 | Jan. 0 | — 3,95 | —0,241 | 23 28 2,98 |
| | Apr. 10 | + 0,81 | +0,050 | 49,28 | | Apr. 10 | — 2,46 | —0,150 | 3,01 |
| | Jul. 19 | — 0,77 | —0,047 | 49,15 | | Jul. 19 | — 0,96 | —0,059 | 2,97 |
| | Oct. 27 | — 2,34 | —0,143 | 49,10 | | Oct. 27 | + 0,55 | +0,033 | 2,85 |
| | Dec. 66 | — 3,91 | —0,239 | 49,14 | | Dec. 66 | + 2,07 | +0,126 | 2,66 |

## Tabula IV. *continuata.*

| | | Long. | A. R. | Obl. Ecl. | | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|---|---|---|---|---|
| | | ′ | ″ | ° ′ ″ | | | ″ | ″ | ° ′ ″ |
| 1802 | Jan. 0 | + 1,55 | +0,095 | 23 28 2,74 | 1811 | Jan. 0 | + 0,15 | +0,009 | 23 27 40,71 |
| | Apr. 10 | + 3,05 | +0,186 | 2,50 | | Apr. 10 | — 1,44 | —0,088 | 40,62 |
| | Jul. 19 | + 4,51 | +0,276 | 2,19 | | Jul. 19 | — 3,00 | —0,183 | 40,60 |
| | Oct. 27 | + 5,95 | +0,364 | 1,81 | | Oct. 27 | — 4,54 | —0,277 | 40,67 |
| | Dec. 66 | + 7,35 | +0,450 | 1,36 | | Dec. 66 | — 6,05 | —0,370 | 40,81 |
| 1803 | Jan. 0 | + 6,87 | +0,420 | 23 28 1,52 | 1812 | Jan. 1 | — 5,54 | —0,339 | 23 27 40,75 |
| | Apr. 10 | + 8,23 | +0,503 | 1,03 | | Apr. 10 | — 7,01 | —0,429 | 40,94 |
| | Jul. 19 | + 9,52 | +0,582 | 0,48 | | Jul. 19 | — 8,41 | —0,514 | 41,20 |
| | Oct. 27 | +10,72 | +0,656 | 27 59,86 | | Oct. 27 | — 9,73 | —0,595 | 41,53 |
| | Dec. 66 | +11,86 | +0,725 | 59,18 | | Dec. 66 | —10,96 | —0,670 | 41,92 |
| 1804 | Jan. 1 | +11,48 | +0,702 | 23 27 59,42 | 1813 | Jan. 0 | —10,54 | —0,645 | 23 27 41,78 |
| | Apr. 10 | +12,54 | +0,767 | 58,70 | | Apr. 10 | —11,74 | —0,718 | 42,21 |
| | Jul. 19 | +13,50 | +0,826 | 57,94 | | Jul. 19 | —12,82 | —0,784 | 42,70 |
| | Oct. 27 | +14,35 | +0,878 | 57,13 | | Oct. 27 | —13,77 | —0,841 | 43,24 |
| | Dec. 66 | +15,09 | +0,923 | 56,28 | | Dec. 66 | —14,62 | —0,894 | 43,82 |
| 1805 | Jan. 0 | +14,85 | +0,908 | 23 27 56,58 | 1814 | Jan. 0 | —14,34 | —0,877 | 23 27 43,62 |
| | Apr. 10 | +15,51 | +0,948 | 55,71 | | Apr. 10 | —15,09 | —0,923 | 44,23 |
| | Jul. 19 | +16,03 | +0,980 | 54,81 | | Jul. 19 | —15,71 | —0,961 | 44,86 |
| | Oct. 27 | +16,42 | +1,004 | 53,89 | | Oct. 27 | —16,19 | —0,990 | 45,53 |
| | Dec. 66 | +16,67 | +1,020 | 52,94 | | Dec. 66 | —16,54 | —1,011 | 46,22 |
| 1806 | Jan. 0 | +16,60 | +1,015 | 23 27 53,27 | 1815 | Jan. 0 | —16,43 | —1,005 | 23 27 45,98 |
| | Apr. 10 | +16,76 | +1,025 | 52,32 | | Apr. 10 | —16,68 | —1,020 | 46,68 |
| | Jul. 19 | +16,78 | +1,026 | 51,37 | | Jul. 19 | —16,79 | —1,026 | 47,38 |
| | Oct. 27 | +16,65 | +1,019 | 50,42 | | Oct. 27 | —16,75 | —1,024 | 48,08 |
| | Dec. 66 | +16,38 | +1,002 | 49,47 | | Dec. 66 | —16,56 | —1,013 | 48,78 |
| 1807 | Jan. 0 | +16,49 | +1,009 | 23 27 49,80 | 1816 | Jan. 1 | —16,64 | —1,018 | 23 27 48,54 |
| | Apr. 10 | +16,13 | +0,987 | 48,86 | | Apr. 10 | —16,37 | —1,001 | 49,23 |
| | Jul. 19 | +15,63 | +0,956 | 47,95 | | Jul. 19 | —15,96 | —0,976 | 49,90 |
| | Oct. 27 | +14,99 | +0,917 | 47,07 | | Oct. 27 | —15,42 | —0,943 | 50,54 |
| | Dec. 66 | +14,22 | +0,869 | 46,21 | | Dec. 66 | —14,74 | —0,901 | 51,17 |
| 1808 | Jan. 1 | +14,50 | +0,887 | 23 27 46,50 | 1817 | Jan. 0 | —14,99 | —0,917 | 23 27 50,96 |
| | Apr. 10 | +13,64 | +0,834 | 45,67 | | Apr. 10 | —14,23 | —0,871 | 51,55 |
| | Jul. 19 | +12,67 | +0,775 | 44,89 | | Jul. 19 | —13,37 | —0,818 | 52,10 |
| | Oct. 27 | +11,58 | +0,708 | 44,17 | | Oct. 27 | —12,39 | —0,758 | 52,60 |
| | Dec. 66 | +10,38 | +0,635 | 43,49 | | Dec. 66 | —11,31 | —0,692 | 53,06 |
| 1809 | Jan. 0 | +10,80 | +0,661 | 23 27 43,71 | 1818 | Jan. 0 | —11,69 | —0,715 | 23 27 52,91 |
| | Apr. 10 | + 9,55 | +0,584 | 43,08 | | Apr. 10 | —10,55 | —0,645 | 53,33 |
| | Jul. 19 | + 8,21 | +0,502 | 42,51 | | Jul. 19 | — 9,33 | —0,571 | 53,69 |
| | Oct. 27 | + 6,80 | +0,416 | 42,01 | | Oct. 27 | — 8,04 | —0,492 | 53,98 |
| | Dec. 66 | + 5,31 | +0,325 | 41,58 | | Dec. 66 | — 6,66 | —0,408 | 54,22 |
| 1810 | Jan. 0 | + 5,83 | +0,356 | 23 27 41,72 | 1819 | Jan. 0 | — 7,14 | —0,437 | 23 27 54,15 |
| | Apr. 10 | + 4,35 | +0,264 | 41,34 | | Apr. 10 | — 5,74 | —0,351 | 54,34 |
| | Jul. 19 | + 2,77 | +0,170 | 41,04 | | Jul. 19 | — 4,30 | —0,263 | 54,45 |
| | Oct. 27 | + 1,20 | +0,074 | 40,81 | | Oct. 27 | — 2,83 | —0,173 | 54,49 |
| | Dec. 66 | — 0,40 | —0,024 | 40,67 | | Dec. 66 | — 1,32 | —0,081 | 54,48 |

## Tabula IV. *continuata.*

| | | Long. | A. R. | Obl. Ecl. | | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ | | | ″ | ″ | ° ′ ″ |
| 1820 | Jan. 1 | — 1,84 | —0,112 | 23 27 54,50 | 1829 | Jan. 0 | + 3,68 | +0,225 | 23 27 32,70 |
| | Apr. 10 | — 0,33 | —0,020 | 54,42 | | Apr. 10 | + 2,11 | +0,129 | 32,43 |
| | Jul. 19 | + 1,18 | +0,072 | 54,28 | | Jul. 19 | + 0,54 | +0,033 | 32,24 |
| | Oct. 27 | + 2,68 | +0,164 | 54,06 | | Oct. 27 | — 1,04 | —0,064 | 32,12 |
| | Dec. 66 | + 4,17 | +0,255 | 53,77 | | Dec. 66 | — 2,63 | —0,161 | 32,09 |
| 1821 | Jan. 0 | + 3,66 | +0,224 | 23 27 53,88 | 1830 | Jan. 0 | — 2,09 | —0,128 | 23 27 32,10 |
| | Apr. 10 | + 5,12 | +0,313 | 53,54 | | Apr. 10 | — 3,65 | —0,223 | 32,11 |
| | Jul. 19 | + 6,53 | +0,400 | 53,13 | | Jul. 19 | — 5,17 | —0,316 | 32,21 |
| | Oct. 27 | + 7,90 | +0,483 | 52,65 | | Oct. 27 | — 6,65 | —0,407 | 32,38 |
| | Dec. 66 | + 9,22 | +0,564 | 52,11 | | Dec. 66 | — 8,08 | —0,494 | 32,63 |
| 1822 | Jan. 0 | + 8,77 | +0,536 | 23 27 52,30 | 1831 | Jan. 0 | — 7,60 | —0,465 | 23 27 32,53 |
| | Apr. 10 | +10,03 | +0,613 | 51,71 | | Apr. 10 | — 8,98 | —0,550 | 32,82 |
| | Jul. 19 | +11,20 | +0,685 | 51,08 | | Jul. 19 | —10,26 | —0,628 | 33,18 |
| | Oct. 27 | +12,28 | +0,751 | 50,38 | | Oct. 27 | —11,46 | —0,701 | 33,59 |
| | Dec. 66 | +13,28 | +0,812 | 49,62 | | Dec. 66 | —12,57 | —0,769 | 34,07 |
| 1823 | Jan. 0 | +12,95 | +0,792 | 23 27 49,89 | 1832 | Jan. 1 | —12,20 | —0,746 | 23 27 33,90 |
| | Apr. 10 | +13,87 | +0,848 | 49,10 | | Apr. 10 | —13,23 | —0,809 | 34,41 |
| | Jul. 19 | +14,67 | +0,897 | 48,28 | | Jul. 19 | —14,14 | —0,864 | 34,97 |
| | Oct. 27 | +15,35 | +0,939 | 47,42 | | Oct. 27 | —14,92 | —0,912 | 35,56 |
| | Dec. 66 | +15,92 | +0,973 | 46,52 | | Dec. 66 | —15,58 | —0,953 | 36,20 |
| 1824 | Jan. 1 | +15,74 | +0,962 | 23 27 46,84 | 1833 | Jan. 0 | —15,37 | —0,940 | 23 27 35,98 |
| | Apr. 10 | +16,21 | +0,991 | 45,92 | | Apr. 10 | —15,93 | —0,974 | 36,64 |
| | Jul. 19 | +16,54 | +1,011 | 45,00 | | Jul. 19 | —16,35 | —1,000 | 37,31 |
| | Oct. 27 | +16,73 | +1,023 | 44,05 | | Oct. 27 | —16,63 | —1,017 | 38,00 |
| | Dec. 66 | +16,79 | +1,027 | 43,09 | | Dec. 66 | —16,77 | —1,026 | 38,71 |
| 1825 | Jan. 0 | +16,79 | +1,026 | 23 27 43,42 | 1834 | Jan. 0 | —16,74 | —1,024 | 23 27 38,46 |
| | Apr. 10 | +16,74 | +1,024 | 42,47 | | Apr. 10 | —16,78 | —1,026 | 39,17 |
| | Jul. 19 | +16,56 | +1,013 | 41,52 | | Jul. 19 | —16,69 | —1,020 | 39,87 |
| | Oct. 27 | +16,23 | +0,993 | 40,59 | | Oct. 27 | —16,45 | —1,006 | 40,56 |
| | Dec. 66 | +15,76 | +0,964 | 39,67 | | Dec. 66 | —16,07 | —0,983 | 41,24 |
| 1826 | Jan. 0 | +15,94 | +0,975 | 23 27 39,98 | 1835 | Jan. 0 | —16,21 | —0,992 | 23 27 41,01 |
| | Apr. 10 | +15,38 | +0,940 | 39,07 | | Apr. 10 | —15,75 | —0,963 | 41,67 |
| | Jul. 19 | +14,69 | +0,898 | 38,20 | | Jul. 19 | —15,15 | —0,927 | 42,30 |
| | Oct. 27 | +13,86 | +0,848 | 37,37 | | Oct. 27 | —14,43 | —0,883 | 42,90 |
| | Dec. 66 | +12,91 | +0,789 | 36,57 | | Dec. 66 | —13,57 | —0,831 | 43,47 |
| 1827 | Jan. 0 | +13,25 | +0,810 | 23 27 36,84 | 1836 | Jan. 1 | —13,89 | —0,849 | 23 27 43,28 |
| | Apr. 10 | +12,22 | +0,748 | 36,07 | | Apr. 10 | —12,97 | —0,793 | 43,81 |
| | Jul. 19 | +11,10 | +0,679 | 35,37 | | Jul. 19 | —11,96 | —0,731 | 44,29 |
| | Oct. 27 | + 9,87 | +0,604 | 34,72 | | Oct. 27 | —10,84 | —0,663 | 44,72 |
| | Dec. 66 | + 8,54 | +0,522 | 34,13 | | Dec. 66 | — 9,63 | —0,589 | 45,10 |
| 1828 | Jan. 1 | + 9,00 | +0,551 | 23 27 34,33 | 1837 | Jan. 0 | —10,05 | —0,615 | 23 27 44,98 |
| | Apr. 10 | + 7,63 | +0,467 | 33,79 | | Apr. 10 | — 8,80 | —0,538 | 45,31 |
| | Jul. 19 | + 6,19 | +0,379 | 33,32 | | Jul. 19 | — 7,48 | —0,457 | 45,58 |
| | Oct. 27 | + 4,70 | +0,287 | 32,92 | | Oct. 27 | — 6,09 | —0,373 | 45,79 |
| | Dec. 66 | + 3,14 | +0,192 | 32,60 | | Dec. 66 | — 4,65 | —0,284 | 45,93 |

## Tabula IV. *continuata.*

| | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ |
| 1838 | Jan. 0 | — 5,15 | —0,315 | 23 27 45,89 |
| | Apr. 10 | — 3,69 | —0,226 | 45,98 |
| | Jul. 19 | — 2,21 | —0,135 | 46,00 |
| | Oct. 27 | — 0,70 | —0,043 | 45,94 |
| | Dec. 66 | + 0,82 | +0,050 | 45,81 |
| 1839 | Jan. 0 | + 0,30 | +0,018 | 23 27 45,87 |
| | Apr. 10 | + 1,81 | +0,111 | 45,69 |
| | Jul. 19 | + 3,30 | +0,202 | 45,44 |
| | Oct. 27 | + 4,76 | +0,291 | 45,12 |
| | Dec. 66 | + 6,20 | +0,379 | 44,72 |
| 1840 | Jan. 1 | + 5,71 | +0,349 | 23 27 44,87 |
| | Apr. 10 | + 7,11 | +0,435 | 44,43 |
| | Jul. 19 | + 8,45 | +0,517 | 43,93 |
| | Oct. 27 | + 9,72 | +0,595 | 43,36 |
| | Dec. 66 | +10,93 | +0,669 | 42,73 |
| 1841 | Jan. 0 | +10,53 | +0,644 | 23 27 42,95 |
| | Apr. 10 | +11,67 | +0,713 | 42,28 |
| | Jul. 19 | +12,71 | +0,777 | 41,56 |
| | Oct. 27 | +13,65 | +0,835 | 40,79 |
| | Dec. 66 | +14,49 | +0,886 | 39,98 |
| 1842 | Jan. 0 | +14,22 | +0,869 | 23 27 40,26 |
| | Apr. 10 | +14,97 | +0,916 | 39,41 |
| | Jul. 19 | +15,60 | +0,954 | 38,54 |
| | Oct. 27 | +16,10 | +0,985 | 37,64 |
| | Dec. 66 | +16,47 | +1,007 | 36,71 |
| 1843 | Jan. 0 | +16,36 | +1,001 | 23 27 37,03 |
| | Apr. 10 | +16,64 | +1,018 | 36,09 |
| | Jul. 19 | +16,77 | +1,026 | 35,15 |
| | Oct. 27 | +16,77 | +1,025 | 34,20 |
| | Dec. 66 | +16,62 | +1,016 | 33,24 |

| | | Long. | A. R. | Obl. Ecl. |
|---|---|---|---|---|
| | | ″ | ″ | ° ′ ″ |
| 1844 | Jan. 1 | +16,68 | +1,020 | 23 27 33,57 |
| | Apr. 10 | +16,44 | +1,005 | 32,62 |
| | Jul. 19 | +16,05 | +0,982 | 31,69 |
| | Oct. 27 | +15,53 | +0,950 | 30,79 |
| | Dec. 66 | +14,86 | +0,909 | 29,90 |
| 1845 | Jan. 0 | +15,11 | +0,924 | 23 27 30,20 |
| | Apr. 10 | +14,36 | +0,878 | 29,34 |
| | Jul. 19 | +13,48 | +0,825 | 28,52 |
| | Oct. 27 | +12,49 | +0,764 | 27,75 |
| | Dec. 66 | +11,37 | +0,696 | 27,03 |
| 1846 | Jan. 0 | +11,77 | +0,720 | 23 27 27,27 |
| | Apr. 10 | +10,59 | +0,648 | 26,59 |
| | Jul. 19 | + 9,33 | +0,570 | 25,97 |
| | Oct. 27 | + 7,98 | +0,488 | 25,41 |
| | Dec. 66 | + 6,54 | +0,400 | 24,92 |
| 1847 | Jan. 0 | + 7,04 | +0,430 | 23 27 25,08 |
| | Apr. 10 | + 5,57 | +0,340 | 24,64 |
| | Jul. 19 | + 4,06 | +0,248 | 24,27 |
| | Oct. 27 | + 2,51 | +0,153 | 23,98 |
| | Dec. 66 | + 0,92 | +0,056 | 23,77 |
| 1848 | Jan. 1 | + 1,46 | +0,090 | 23 27 23,83 |
| | Apr. 10 | — 0,12 | —0,007 | 23,67 |
| | Jul. 19 | — 1,70 | —0,104 | 23,60 |
| | Oct. 27 | — 3,26 | —0,200 | 23,59 |
| | Dec. 66 | — 4,82 | —0,295 | 23,67 |
| 1849 | Jan. 0 | — 4,29 | —0,262 | 23 27 23,64 |
| | Apr. 10 | — 5,80 | —0,355 | 23,77 |
| | Jul. 19 | — 7,25 | —0,443 | 23,97 |
| | Oct. 27 | — 8,64 | —0,528 | 24,24 |
| | Dec. 66 | — 9,97 | —0,610 | 24,58 |

### *Obliquitas Ecliptices media, in hac tabula adhibita.*

| | ° ′ ″ |
|---|---|
| 1750 | 23 28 17,65 |
| 1760 | 28 13,08 |
| 1770 | 28 8,51 |
| 1780 | 28 3,94 |
| 1790 | 27 59,37 |
| 1800 | 27 54,80 |
| 1810 | 27 50,23 |
| 1820 | 27 45,66 |
| 1830 | 27 41,09 |
| 1840 | 27 36,52 |
| 1850 | 27 31,95 |

| Anni | Variat. |
|---|---|
| | ″ |
| 1 | — 0,457 |
| 2 | — 0,914 |
| 3 | — 1,371 |
| 4 | — 1,828 |
| 5 | — 2,285 |
| 6 | — 2,742 |
| 7 | — 3,199 |
| 8 | — 3,656 |
| 9 | — 4,113 |
| 10 | — 4,570 |

# Tabula V.

*Nutatio Solaris in Longitudine atque Obliquitate Ecliptices.*

| | | Long. | Obl. |
|---|---|---|---|
| | | ″ | ″ |
| Jan. | 0 | + 0,46 | — 0,54 |
| | 10 | + 0,87 | — 0,44 |
| | 20 | + 1,17 | — 0,28 |
| | 30 | + 1,32 | — 0,09 |
| Febr. | 9 | + 1,31 | + 0,11 |
| | 19 | + 1,14 | + 0,30 |
| Mart. | 1 | + 0,83 | + 0,45 |
| | 11 | + 0,42 | + 0,55 |
| | 21 | — 0,04 | + 0,58 |
| | 31 | — 0,48 | + 0,54 |
| Apr. | 10 | — 0,88 | + 0,44 |
| | 20 | — 1,16 | + 0.29 |
| | 30 | — 1,32 | + 0,10 |
| Maj. | 10 | — 1,32 | — 0,09 |
| | 20 | — 1,17 | — 0,28 |
| | 30 | — 0,90 | — 0,43 |
| Jun. | 9 | — 0,53 | — 0,53 |
| | 19 | — 0,10 | — 0,58 |
| | 29 | + 0,35 | — 0,56 |
| Jul. | 9 | + 0,75 | — 0,48 |
| | 19 | + 1,07 | — 0,35 |
| | 29 | + 1,27 | — 0,18 |
| Aug. | 8 | + 1,34 | + 0,01 |
| | 18 | + 1,25 | + 0,20 |
| | 28 | + 1,02 | + 0,37 |
| Sept. | 7 | + 0,68 | + 0,50 |
| | 17 | + 0,26 | + 0,57 |
| | 27 | — 0,20 | + 0,57 |
| Oct. | 7 | — 0,63 | + 0,51 |
| | 17 | — 0,99 | + 0,39 |
| | 27 | — 1,24 | + 0,22 |
| Nov. | 6 | — 1,34 | + 0,02 |
| | 16 | — 1,27 | — 0,18 |
| | 26 | — 1,05 | — 0,36 |
| Dec. | 6 | — 0,70 | — 0,50 |
| | 16 | — 0,26 | — 0,57 |
| | 26 | + 0,22 | — 0,57 |
| | 36 | + 0,66 | — 0,50 |

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

# Tabula VI.

*Adscensio recta media Solis pro mediis meridiebus anni ficti, addita Nutatione Solari.*

| | Januarius. | Februarius. | Martius. | Aprilis. |
|---|---|---|---|---|
| | h ′ ″ | h ′ ″ | h ′ ″ | h ′ ″ |
| 0 | 18 40 0,028 | 20 42 13,297 | 22 32 36,818 | 0 34 49,952 |
| 1 | 43 56,586 | 46 9,853 | 36 33,372 | 38 46,504 |
| 2 | 47 53,144 | 50 6,408 | 40 29,925 | 42 43,057 |
| 3 | 51 49,702 | 54 2,963 | 44 26,478 | 46 39,610 |
| 4 | 55 46,260 | 57 59,519 | 48 23,031 | 50 36,163 |
| 5 | 59 42,818 | 21 1 56,074 | 52 19,584 | 54 32,716 |
| 6 | 19 3 39,376 | 5 52,629 | 56 16,136 | 58 29,269 |
| 7 | 7 35,933 | 9 49,184 | 23 0 12,689 | 1 2 25,822 |
| 8 | 11 32,491 | 13 45,739 | 4 9,242 | 6 22,375 |
| 9 | 15 29,049 | 17 42,294 | 8 5,795 | 10 18,928 |
| 10 | 19 25,606 | 21 38,849 | 12 2,347 | 14 15,481 |
| 11 | 23 22,164 | 25 35,403 | 15 58,900 | 18 12,035 |
| 12 | 27 18,721 | 29 31,958 | 19 55,453 | 22 8,588 |
| 13 | 31 15,279 | 33 28,512 | 23 52,005 | 26 5,141 |
| 14 | 35 11,836 | 37 25,067 | 27 48,558 | 30 1,695 |
| 15 | 39 8,393 | 41 21,621 | 31 45,110 | 33 58,248 |
| 16 | 43 4,950 | 45 18,175 | 35 41,663 | 37 54,802 |
| 17 | 47 1,508 | 49 14,729 | 39 38,216 | 41 51,356 |
| 18 | 50 58,065 | 53 11,283 | 43 34,768 | 45 47,909 |
| 19 | 54 54,621 | 57 7,837 | 47 31,321 | 49 44,463 |
| 20 | 58 51,178 | 22 1 4,391 | 51 27,873 | 53 41,017 |
| 21 | 20 2 47,735 | 5 0,945 | 55 24,426 | 57 37,571 |
| 22 | 6 44,292 | 8 57,498 | 59 20,978 | 2 1 34,125 |
| 23 | 10 40,848 | 12 54,052 | 0 3 17,530 | 5 30,679 |
| 24 | 14 37,405 | 16 50,605 | 7 14,083 | 9 27,234 |
| 25 | 18 33,961 | 20 47,159 | 11 10,636 | 13 23,788 |
| 26 | 22 30,517 | 24 43,712 | 15 7,188 | 17 20,343 |
| 27 | 26 27,073 | 28 40,265 | 19 3,741 | 21 16,897 |
| 28 | 30 23,629 | 32 36,818 | 23 0,294 | 25 13,452 |
| 29 | 34 20,185 | | 26 56,846 | 29 10,006 |
| 30 | 38 16,741 | | 30 53,399 | 33 6,561 |
| 31 | 42 13,297 | | 34 49,952 | |

In menss. Jan. et Febr. annorum bissext. legitur dies insequens.

## Tabula VI. *continuata.*

*Adscensio recta media Solis, pro mediis meridiebus anni ficti, addita Nutatione Solari.*

| | Majus. | Junius. | Julius. | Augustus. |
|---|---|---|---|---|
| | h ′ ″ | h ′ ″ | h ′ ″ | h ′ ″ |
| 0 | 2 33 6,561 | 4 35 19,804 | 6 33 36,541 | 8 35 49,813 |
| 1 | 37 3,116 | 39 16,362 | 37 33,099 | 39 46,369 |
| 2 | 40 59,671 | 43 12,919 | 41 29,657 | 43 42,925 |
| 3 | 44 56,226 | 47 9,477 | 45 26,215 | 47 39,480 |
| 4 | 48 52,781 | 51 6,035 | 49 22,773 | 51 36,036 |
| 5 | 52 49,337 | 55 2,592 | 53 19,331 | 55 32,592 |
| 6 | 56 45,892 | 58 59,150 | 57 15,889 | 59 29,147 |
| 7 | 3 0 42,448 | 5 2 55,708 | 7 1 12,446 | 9 3 25,702 |
| 8 | 4 39,003 | 6 52,265 | 5 9,004 | 7 22,258 |
| 9 | 8 35,559 | 10 48,823 | 9 5,562 | 11 18,813 |
| 10 | 12 32,114 | 14 45,381 | 13 2,119 | 15 15,368 |
| 11 | 16 28,670 | 18 41,939 | 16 58,677 | 19 11,923 |
| 12 | 20 25,226 | 22 38,497 | 20 55,234 | 23 8,478 |
| 13 | 24 21,782 | 26 35,055 | 24 51,792 | 27 5,033 |
| 14 | 28 18,338 | 30 31,613 | 28 48,349 | 31 1,588 |
| 15 | 32 14,895 | 34 28,171 | 32 44,906 | 34 58,143 |
| 16 | 36 11,451 | 38 24,729 | 36 41,463 | 38 54,697 |
| 17 | 40 8,007 | 42 21,287 | 40 38,021 | 42 51,252 |
| 18 | 44 4,564 | 46 17,845 | 44 34,578 | 46 47,806 |
| 19 | 48 1,120 | 50 14,403 | 48 31,135 | 50 44,361 |
| 20 | 51 57,677 | 54 10,961 | 52 27,692 | 54 40,915 |
| 21 | 55 54,233 | 58 7,519 | 56 24,249 | 58 37,469 |
| 22 | 59 50,790 | 6 2 4,077 | 8 0 20.805 | 10 2 34,023 |
| 23 | 4 3 47,347 | 6 0,635 | 4 17,362 | 6 30,577 |
| 24 | 7 43,904 | 9 57,193 | 8 13,919 | 10 27,131 |
| 25 | 11 40,461 | 13 53,751 | 12 10,475 | 14 23,685 |
| 26 | 15 37,018 | 17 50,309 | 16 7,032 | 18 20,239 |
| 27 | 19 33,575 | 21 46,867 | 20 3,588 | 22 16,792 |
| 28 | 23 30,132 | 25 43,426 | 24 0,144 | 26 13,346 |
| 29 | 27 26,690 | 29 39,984 | 27 56,701 | 30 9,899 |
| 30 | 31 23,247 | 33 36,541 | 31 53,257 | 34 6,453 |
| 31 | 35 19,804 | | 35 49,813 | 38 3,006 |

## Tabula VI. *continuata.*

*Adscensio recta media Solis, pro mediis meridiebus anni ficti, addita Nutatione Solari.*

| | September. | October. | November. | December. |
|---|---|---|---|---|
| | h ′ ″ | h ′ ″ | h ′ ″ | h ′ ″ |
| 0 | 10 38 3,006 | 12 36 19,590 | 14 38 32,746 | 16 36 49,430 |
| 1 | 41 59,560 | 40 16,142 | 42 29,301 | 40 45,987 |
| 2 | 45 56,113 | 44 12,695 | 46 25,856 | 44 42,545 |
| 3 | 49 52,666 | 48 9,248 | 50 22,411 | 48 39,102 |
| 4 | 53 49,219 | 52 5,800 | 54 18,966 | 52 35,660 |
| 5 | 57 45,772 | 56 2,353 | 58 15,521 | 56 32,218 |
| 6 | 11 1 42,326 | 59 58,906 | 15 2 12,076 | 17 0 28,775 |
| 7 | 5 38,878 | 13 3 55,459 | 6 8,631 | 4 25,333 |
| 8 | 9 35,431 | 7 52,012 | 10 5,187 | 8 21,891 |
| 9 | 13 31,984 | 11 48,565 | 14 1,742 | 12 18,449 |
| 10 | 17 28,537 | 15 45,118 | 17 58,298 | 16 15,007 |
| 11 | 21 25,090 | 19 41,671 | 21 54,853 | 20 11,565 |
| 12 | 25 21,643 | 23 38,224 | 25 51,409 | 24 8,123 |
| 13 | 29 18,196 | 27 34,777 | 29 47,965 | 28 4,681 |
| 14 | 33 14,748 | 31 31,330 | 33 44,521 | 32 1,239 |
| 15 | 37 11,301 | 35 27,883 | 37 41,077 | 35 57,798 |
| 16 | 41 7,854 | 39 24,437 | 41 37,633 | 39 54,356 |
| 17 | 45 4,406 | 43 20,990 | 45 34,190 | 43 50,914 |
| 18 | 49 0,959 | 47 17,544 | 49 30,746 | 47 47,472 |
| 19 | 52 57,511 | 51 14,097 | 53 27,302 | 51 44,030 |
| 20 | 56 54,064 | 55 10,651 | 57 23,859 | 55 40,589 |
| 21 | 12 0 50,617 | 59 7,204 | 16 1 20,416 | 59 37,147 |
| 22 | 4 47,169 | 14 3 3,758 | 5 16,972 | 18 3 33,705 |
| 23 | 8 43,722 | 7 0,312 | 9 13,529 | 7 30,263 |
| 24 | 12 40,274 | 10 56,866 | 13 10,086 | 11 26,822 |
| 25 | 16 36,827 | 14 53,420 | 17 6,643 | 15 23,380 |
| 26 | 20 33,379 | 18 49,974 | 21 3,200 | 19 19,938 |
| 27 | 24 29,932 | 22 46,528 | 24 59,758 | 23 16,496 |
| 28 | 28 26,484 | 26 43,083 | 28 56,315 | 27 13,055 |
| 29 | 32 23,037 | 30 39,637 | 32 52,872 | 31 9,613 |
| 30 | 36 19,590 | 34 36,192 | 36 49,430 | 35 6,171 |
| 31 | | 38 32,746 | | 39 2,729 |

# Tabula VII.

*Motus Adscensionis rectae mediae Solis pro Horis, Minutis et Secundis et Temporis solaris medii et Temporis sideralis.*

**Horae**

| | temporis med. | temporis sid. |
|---|---|---|
| h | ′ ″ | ′ ″ |
| 0 | 0 0,000 | 0 0,000 |
| 1 | 0 9,856 | 0 9,830 |
| 2 | 0 19,713 | 0 19,659 |
| 3 | 0 29,569 | 0 29,489 |
| 4 | 0 39,426 | 0 39,318 |
| 5 | 0 49,282 | 0 49,148 |
| 6 | 0 59,139 | 0 58,977 |
| 7 | 1 8,995 | 1 8,807 |
| 8 | 1 18,852 | 1 18,636 |
| 9 | 1 28,708 | 1 28,466 |
| 10 | 1 38,565 | 1 38,296 |
| 11 | 1 48,421 | 1 48,125 |
| 12 | 1 58,278 | 1 57,955 |
| 13 | 2 8,134 | 2 7,784 |
| 14 | 2 17,991 | 2 17,614 |
| 15 | 2 27,847 | 2 27,443 |
| 16 | 2 37,704 | 2 37,273 |
| 17 | 2 47,560 | 2 47,103 |
| 18 | 2 57,417 | 2 56,932 |
| 19 | 3 7,273 | 3 6,762 |
| 20 | 3 17,129 | 3 16,591 |
| 21 | 3 26,986 | 3 26,421 |
| 22 | 3 36,842 | 3 36,250 |
| 23 | 3 46,699 | 3 46,080 |
| 24 | 3 56,555 | 3 55,909 |
| 25 | 4 6,412 | 4 5,739 |
| 26 | 4 16,268 | 4 15,569 |
| 27 | 4 26,125 | 4 25,398 |
| 28 | 4 35,981 | 4 35,228 |
| 29 | 4 45,838 | 4 45,057 |
| 30 | 4 55,694 | 4 54,887 |

**Minuta**

| | temporis med. | temporis sid. |
|---|---|---|
| ′ | ″ | ″ |
| 1 | 0,164 | 0,164 |
| 2 | 0,329 | 0,328 |
| 3 | 0,493 | 0,491 |

**Minuta**

| | temporis med. | temporis sid. |
|---|---|---|
| ′ | ″ | ″ |
| 4 | 0,657 | 0,655 |
| 5 | 0,821 | 0,819 |
| 6 | 0,986 | 0,983 |
| 7 | 1,150 | 1,147 |
| 8 | 1,314 | 1,311 |
| 9 | 1,478 | 1,474 |
| 10 | 1,643 | 1,638 |
| 11 | 1,807 | 1,802 |
| 12 | 1,971 | 1,966 |
| 13 | 2,136 | 2,130 |
| 14 | 2,300 | 2,294 |
| 15 | 2,464 | 2,457 |
| 16 | 2,628 | 2,621 |
| 17 | 2,793 | 2,785 |
| 18 | 2,957 | 2,949 |
| 19 | 3,121 | 3,113 |
| 20 | 3,285 | 3,277 |
| 21 | 3,450 | 3,440 |
| 22 | 3,614 | 3,604 |
| 23 | 3,778 | 3,768 |
| 24 | 3,943 | 3,932 |
| 25 | 4,107 | 4,096 |
| 26 | 4,271 | 4,259 |
| 27 | 4,435 | 4,423 |
| 28 | 4,600 | 4,587 |
| 29 | 4,764 | 4,751 |
| 30 | 4,928 | 4,915 |
| 31 | 5,093 | 5,079 |
| 32 | 5,257 | 5,242 |
| 33 | 5,421 | 5,406 |
| 34 | 5,585 | 5,570 |
| 35 | 5,750 | 5,734 |
| 36 | 5,914 | 5,898 |
| 37 | 6,078 | 6,062 |
| 38 | 6,242 | 6,225 |
| 39 | 6,407 | 6,389 |
| 40 | 6,571 | 6,553 |
| 41 | 6,735 | 6,717 |
| 42 | 6,900 | 6,881 |
| 43 | 7,064 | 7,045 |
| 44 | 7,228 | 7,208 |
| 45 | 7,392 | 7,372 |

**Minuta**

| | temporis med. | temporis sid. |
|---|---|---|
| ′ | ″ | ″ |
| 46 | 7,557 | 7,536 |
| 47 | 7,721 | 7,700 |
| 48 | 7,885 | 7,864 |
| 49 | 8,049 | 8,027 |
| 50 | 8,214 | 8,191 |
| 51 | 8,378 | 8,355 |
| 52 | 8,542 | 8,519 |
| 53 | 8,707 | 8,683 |
| 54 | 8,871 | 8,847 |
| 55 | 9,035 | 9,010 |
| 56 | 9,199 | 9,174 |
| 57 | 9,364 | 9,338 |
| 58 | 9,528 | 9,502 |
| 59 | 9,692 | 9,666 |
| 60 | 9,856 | 9,830 |

**Secunda**

| | temporis med. | temporis sid. |
|---|---|---|
| ″ | ″ | ″ |
| 1 | 0,003 | 0,003 |
| 2 | 0,005 | 0,005 |
| 3 | 0,008 | 0,008 |
| 4 | 0,011 | 0,011 |
| 5 | 0,014 | 0,014 |
| 6 | 0,016 | 0,016 |
| 7 | 0,019 | 0,019 |
| 8 | 0,022 | 0,022 |
| 9 | 0,025 | 0,025 |
| 10 | 0,027 | 0,027 |
| 11 | 0,030 | 0,030 |
| 12 | 0,033 | 0,033 |
| 13 | 0,036 | 0,035 |
| 14 | 0,038 | 0,038 |
| 15 | 0,041 | 0,041 |
| 16 | 0,044 | 0,044 |
| 17 | 0,047 | 0,046 |
| 18 | 0,049 | 0,049 |
| 19 | 0,052 | 0,052 |

**Secunda**

| | temporis med. | temporis sid. |
|---|---|---|
| ″ | ″ | ″ |
| 20 | 0,055 | 0,055 |
| 21 | 0,057 | 0,057 |
| 22 | 0,060 | 0,060 |
| 23 | 0,063 | 0,063 |
| 24 | 0,066 | 0,066 |
| 25 | 0,068 | 0,068 |
| 26 | 0,071 | 0,071 |
| 27 | 0,074 | 0,074 |
| 28 | 0,077 | 0,076 |
| 29 | 0,079 | 0,079 |
| 30 | 0,082 | 0,082 |
| 31 | 0,085 | 0,085 |
| 32 | 0,088 | 0,087 |
| 33 | 0,090 | 0,090 |
| 34 | 0,093 | 0,093 |
| 35 | 0,096 | 0,096 |
| 36 | 0,099 | 0,098 |
| 37 | 0,101 | 0,101 |
| 38 | 0,104 | 0,104 |
| 39 | 0,107 | 0,106 |
| 40 | 0,110 | 0,109 |
| 41 | 0,112 | 0,112 |
| 42 | 0,115 | 0,115 |
| 43 | 0,118 | 0,117 |
| 44 | 0,120 | 0,120 |
| 45 | 0,123 | 0,123 |
| 46 | 0,126 | 0,126 |
| 47 | 0,129 | 0,128 |
| 48 | 0,131 | 0,131 |
| 49 | 0,134 | 0,134 |
| 50 | 0,137 | 0,137 |
| 51 | 0,140 | 0,139 |
| 52 | 0,142 | 0,142 |
| 53 | 0,145 | 0,145 |
| 54 | 0,148 | 0,147 |
| 55 | 0,151 | 0,150 |
| 56 | 0,153 | 0,153 |
| 57 | 0,156 | 0,156 |
| 58 | 0,159 | 0,158 |
| 59 | 0,162 | 0,161 |
| 60 | 0,164 | 0,164 |

# Tabula VIII.

*Valores quantitatum ad computationem locorum apparentium Stellarum fixarum generaliter inservientium,*

pro Saeculo 1750 — 1850.

*Tabella subsidiaria pro formatione argumenti Tabulae sequentis.*

$g' =$ Tempus sidereum $+ 5^h 20'$.

| Temp. sidereum. Horis | Grad. | $g'$ | Temp. sidereum. Horis | Grad. | $g'$ | Temp. sidereum. Horis | Grad. | $g'$ |
|---|---|---|---|---|---|---|---|---|
| h ′ | ° | | h ′ | ° | | h ′ | ° | |
| 18 40,0 | 280,0 | 0,00 | 2 35,2 | 38,8 | 0,33 | 10 30,4 | 157,6 | 0,66 |
| 54,4 | 283,6 | 0,01 | 49,6 | 42,4 | 0,34 | 44,8 | 161,2 | 0,67 |
| 19 8,8 | 287,2 | 0,02 | 3 4,0 | 46,0 | 0,35 | 59,2 | 164,8 | 0,68 |
| 23,2 | 290,8 | 0,03 | 18,4 | 49,6 | 0,36 | 11 13,6 | 168,4 | 0,69 |
| 37,6 | 294,4 | 0,04 | 32,8 | 53,2 | 0,37 | 28,0 | 172,0 | 0,70 |
| 52,0 | 298,0 | 0,05 | 47,2 | 56,8 | 0,38 | 42,4 | 175,6 | 0,71 |
| 20 6,4 | 301,6 | 0,06 | 4 1,6 | 60,4 | 0,39 | 56,8 | 179,2 | 0,72 |
| 20,8 | 305,2 | 0,07 | 16,0 | 64,0 | 0,40 | 12 11,2 | 182,8 | 0,73 |
| 35,2 | 308,8 | 0,08 | 30,4 | 67,6 | 0,41 | 25,6 | 186,4 | 0,74 |
| 49,6 | 312,4 | 0,09 | 44,8 | 71,2 | 0,42 | 40,0 | 190,0 | 0,75 |
| 21 4,0 | 316,0 | 0,10 | 59,2 | 74,8 | 0,43 | 54,4 | 193,6 | 0,76 |
| 18,4 | 319,6 | 0,11 | 5 13,6 | 78,4 | 0,44 | 13 8,8 | 197,2 | 0,77 |
| 32,8 | 323,2 | 0,12 | 28,0 | 82,0 | 0,45 | 23,2 | 200,8 | 0,78 |
| 47,2 | 326,8 | 0,13 | 42,4 | 85,6 | 0,46 | 37,6 | 204,4 | 0,79 |
| 22 1,6 | 330,4 | 0,14 | 56,8 | 89,2 | 0,47 | 52,0 | 208,0 | 0,80 |
| 16,0 | 334,0 | 0,15 | 6 11,2 | 92,8 | 0,48 | 14 6,4 | 211,6 | 0,81 |
| 30,4 | 337,6 | 0,16 | 25,6 | 96,4 | 0,49 | 20,8 | 215,2 | 0,82 |
| 44,8 | 341,2 | 0,17 | 40,0 | 100,0 | 0,50 | 35,2 | 218,8 | 0,83 |
| 59,2 | 344,8 | 0,18 | 54,4 | 103,6 | 0,51 | 49,6 | 222,4 | 0,84 |
| 23 13,6 | 348,4 | 0,19 | 7 8,8 | 107,2 | 0,52 | 15 4,0 | 226,0 | 0,85 |
| 28,0 | 352,0 | 0,20 | 23,2 | 110,8 | 0,53 | 18,4 | 229,6 | 0,86 |
| 42,4 | 355,6 | 0,21 | 37,6 | 114,4 | 0,54 | 32,8 | 233,2 | 0,87 |
| 56,8 | 359,2 | 0,22 | 52,0 | 118,0 | 0,55 | 47,2 | 236,8 | 0,88 |
| 0 11,2 | 2,8 | 0,23 | 8 6,4 | 121,6 | 0,56 | 16 1,6 | 240,4 | 0,89 |
| 25,6 | 6,4 | 0,24 | 20,8 | 125,2 | 0,57 | 16,0 | 244,0 | 0,90 |
| 40,0 | 10,0 | 0,25 | 35,2 | 128,8 | 0,58 | 30,4 | 247,6 | 0,91 |
| 54,4 | 13,6 | 0,26 | 49,6 | 132,4 | 0,59 | 44,8 | 251,2 | 0,92 |
| 1 8,8 | 17,2 | 0,27 | 9 4,0 | 136,0 | 0,60 | 59,2 | 254,8 | 0,93 |
| 23,2 | 20,8 | 0,28 | 18,4 | 139,6 | 0,61 | 17 13,6 | 258,4 | 0,94 |
| 37,6 | 24,4 | 0,29 | 32,8 | 143,2 | 0,62 | 28,0 | 262,0 | 0,95 |
| 52,0 | 28,0 | 0,30 | 47,2 | 146,8 | 0,63 | 42,4 | 265,6 | 0,96 |
| 2 6,4 | 31,6 | 0,31 | 10 1,6 | 150,4 | 0,64 | 56,8 | 269,2 | 0,97 |
| 20,8 | 35,2 | 0,32 | 16,0 | 154,0 | 0,65 | 18 11,2 | 272,8 | 0,98 |
| 35,2 | 38,8 | 0,33 | 30,4 | 157,6 | 0,66 | 25,6 | 276,4 | 0,99 |

Si locus fixae quaeritur pro tempore siderali $= g$, Argumentum Tabulae sequentis est:

*dies reductus* (*Tabb. I et II*) $+ g' + i$

$i = 0$ ab initio anni usque ad tempus ubi $A.R.\odot = g$, postea vero $= + 1$.

# Tabula VIII.

## 1750.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. $\tau$ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5255 | 0,0599 *n* | 0,5109 *n* | 1,2998 | — ∞ | + 0,06 |
| 10 | 9,5698 | 0,0682 *n* | 0,8076 *n* | 1,2789 | 8,4362 | + 0,07 |
| 20 | 9,6077 | 0,0958 *n* | 0,9728 *n* | 1,2424 | 8,7373 | + 0,07 |
| 30 | 9,6396 | 0,1330 *n* | 1,0816 *n* | 1,1876 | 8,9134 | + 0,07 |
| Febr. 9 | 9,6663 | 0,1704 *n* | 1,1571 *n* | 1,1091 | 9,0383 | + 0,07 |
| 19 | 9,6886 | 0,2008 *n* | 1,2094 *n* | 0,9967 | 9,1352 | + 0,07 |
| Mart. 1 | 9,7075 | 0,2195 *n* | 1,2438 *n* | 0,8263 | 9,2144 | + 0,07 |
| 11 | 9,7239 | 0,2233 *n* | 1,2632 *n* | 0,5178 | 9,2813 | + 0,07 |
| 21 | 9,7390 | 0,2098 *n* | 1,2690 *n* | 9,2860 *n* | 9,3393 | + 0,06 |
| 31 | 9,7536 | 0,1765 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,06 |
| Apr. 10 | 9,7686 | 0,1202 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,06 |
| 20 | 9,7845 | 0,0358 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,06 |
| 30 | 9,8016 | 9,9143 *n* | 1,1557 *n* | 1,1112 *n* | 9,5154 | + 0,06 |
| Maj. 10 | 9,8200 | 9,7359 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,06 |
| 20 | 9,8395 | 9,4442 *n* | 0,9826 *n* | 1,2390 *n* | 9,5824 | + 0,06 |
| 30 | 9,8597 | 8,6256 *n* | 0,8344 *n* | 1,2750 *n* | 9,6123 | + 0,06 |
| Jun. 9 | 9,8801 | 9,1665 | 0,5880 *n* | 1,2969 *n* | 9,6404 | + 0,06 |
| 19 | 9,9002 | 9,4434 | 9,9110 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| 29 | 9,9195 | 9,5382 | 0,3546 | 1,3033 *n* | 9,6915 | + 0,07 |
| Jul. 9 | 9,9376 | 9.5461 | 0,7224 | 1,2883 *n* | 9,7150 | + 0,07 |
| 19 | 9,9543 | 9,4842 | 0,9111 | 1,2601 *n* | 9,7373 | + 0,07 |
| 29 | 9,9692 | 9,3401 | 1,0335 | 1,2170 *n* | 9,7585 | + 0,07 |
| Aug. 8 | 9,9825 | 9,0480 | 1,1193 | 1,1553 *n* | 9,7787 | + 0,07 |
| 18 | 9,9940 | 7,6151 | 1,1807 | 1,0685 *n* | 9,7980 | + 0,07 |
| 28 | 0,0040 | 8,9176 *n* | 1,2238 | 0,9435 *n* | 9,8164 | + 0,07 |
| Sept. 7 | 0,0127 | 9,1126 *n* | 1,2518 | 0,7473 *n* | 9,8342 | + 0,07 |
| 17 | 0,0206 | 9,0833 *n* | 1,2664 | 0,3464 *n* | 9,8512 | + 0,07 |
| 27 | 0,0281 | 8,6819 *n* | 1,2682 | 0,0900 | 9,8676 | + 0,06 |
| Oct. 7 | 0,0356 | 8,9632 | 1,2572 | 0,6688 | 9,8834 | + 0,06 |
| 17 | 0,0434 | 9,4670 | 1,2324 | 0,9020 | 9,8986 | + 0,06 |
| 27 | 0,0520 | 9,7344 | 1,1919 | 1,0444 | 9,9134 | + 0,06 |
| Nov. 6 | 0,0615 | 9,9142 | 1,1321 | 1,1415 | 9,9276 | + 0,06 |
| 16 | 0,0719 | 0,0431 | 1,0466 | 1,2100 | 9,9414 | + 0,06 |
| 26 | 0,0832 | 0,1363 | 0,9219 | 1,2575 | 9,9547 | + 0,06 |
| Dec. 6 | 0,0952 | 0,2017 | 0,7250 | 1,2880 | 9,9677 | + 0,06 |
| 16 | 0,1074 | 0,2439 | 0,3200 | 1,3038 | 9,9803 | + 0,06 |
| 26 | 0,1195 | 0,2662 | 0,0793 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1312 | 0,2710 | 0,6488 *n* | 1,2937 | 0,0044 | + 0,07 |

# Tabula VIII.

## 1751.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,5306 | 0,2711 | 0,5109 *n* | 1,2998 | — ∞ | + 0,07 |
| | 10 | 9,5732 | 0,2662 | 0,8076 *n* | 1,2789 | 8,4362 | + 0,07 |
| | 20 | 9,6097 | 0,2479 | 0,9728 *n* | 1,2424 | 8,7373 | + 0,07 |
| | 30 | 9,6404 | 0,2199 | 1,0816 *n* | 1,1876 | 8,9134 | + 0,07 |
| Febr. | 9 | 9,6661 | 0,1869 | 1,1570 *n* | 1,1091 | 9,0383 | + 0,07 |
| | 19 | 9,6875 | 0,1555 | 1,2094 *n* | 0,9967 | 9,1352 | + 0,07 |
| Mart. | 1 | 9,7055 | 0,1338 | 1,2438 *n* | 0,8263 | 9,2144 | + 0,07 |
| | 11 | 9,7212 | 0,1290 | 1,2632 *n* | 0,5179 | 9,2813 | + 0,06 |
| | 21 | 9,7356 | 0,1450 | 1,2690 *n* | 9,2858 *n* | 9,3393 | + 0,06 |
| | 31 | 9,7495 | 0,1805 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,06 |
| Apr. | 10 | 9,7639 | 0,2296 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,06 |
| | 20 | 9,7792 | 0,2852 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,06 |
| | 30 | 9,7958 | 0,3408 | 1,1557 *n* | 1,1112 *n* | 9,5154 | + 0,06 |
| Maj. | 10 | 9,8137 | 0,3921 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,06 |
| | 20 | 9,8328 | 0,4363 | 0,9826 *n* | 1,2390 *n* | 9,5824 | + 0,06 |
| | 30 | 9,8527 | 0,4719 | 0,8344 *n* | 1,2750 *n* | 9,6123 | + 0,06 |
| Jun. | 9 | 9,8728 | 0,4984 | 0,5880 *n* | 1,2969 *n* | 9,6404 | + 0,06 |
| | 19 | 9,8927 | 0,5157 | 9,9109 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| | 29 | 9,9118 | 0,5241 | 0,3546 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. | 9 | 9,9297 | 0,5245 | 0,7224 | 1,2883 *n* | 9,7150 | + 0,06 |
| | 19 | 9,9461 | 0,5179 | 0,9111 | 1,2601 *n* | 9,7373 | + 0,06 |
| | 29 | 9,9609 | 0,5059 | 1,0335 | 1,2170 *n* | 9,7585 | + 0,06 |
| Aug. | 8 | 9,9739 | 0,4906 | 1,1193 | 1,1553 *n* | 9,7787 | + 0,06 |
| | 18 | 9,9851 | 0,4746 | 1,1807 | 1,0685 *n* | 9,7980 | + 0,06 |
| | 28 | 9,9949 | 0,4610 | 1,2238 | 0,9435 *n* | 9,8164 | + 0,06 |
| Sept. | 7 | 0,0034 | 0,4532 | 1,2518 | 0,7473 *n* | 9,8342 | + 0,06 |
| | 17 | 0,0110 | 0,4537 | 1,2664 | 0,3464 *n* | 9,8512 | + 0,06 |
| | 27 | 0,0183 | 0,4639 | 1,2682 | 0,0900 | 9,8676 | + 0,06 |
| Oct. | 7 | 0,0255 | 0,4835 | 1,2572 | 0,6688 | 9,8834 | + 0,06 |
| | 17 | 0,0331 | 0,5105 | 1,2324 | 0,9020 | 9,8986 | + 0,06 |
| | 27 | 0,0415 | 0,5419 | 1,1919 | 1,0444 | 9,9134 | + 0,05 |
| Nov. | 6 | 0,0508 | 0,5746 | 1,1321 | 1,1415 | 9,9276 | + 0,05 |
| | 16 | 0,0611 | 0,6054 | 1,0466 | 1,2100 | 9,9414 | + 0,05 |
| | 26 | 0,0723 | 0,6323 | 0,9219 | 1,2575 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0842 | 0,6536 | 0,7250 | 1,2880 | 9,9677 | + 0,06 |
| | 16 | 0,0964 | 0,6683 | 0,3201 | 1,3038 | 9,9803 | + 0,06 |
| | 26 | 0,1085 | 0,6761 | 0,0793 *n* | 1,3056 | 9,9925 | + 0,06 |
| | 36 | 0,1201 | 0,6772 | 0,6487 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1752.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,4851 | 0,6775 | 0,5109 *n* | 1,2998 | — ∞ | + 0,06 |
| 11 | 9,5309 | 0,6749 | 0,8075 *n* | 1,2789 | 8,4362 | + 0,06 |
| 21 | 9,5698 | 0,6670 | 0,9728 *n* | 1,2424 | 8,7373 | + 0,06 |
| 31 | 9,6023 | 0,6557 | 1,0816 *n* | 1,1876 | 8,9134 | + 0,06 |
| Febr. 10 | 9,6292 | 0,6430 | 1,1570 *n* | 1,1091 | 9,0383 | + 0,06 |
| 20 | 9,6515 | 0,6314 | 1,2094 *n* | 0,9967 | 9,1352 | + 0,06 |
| Mart. 1 | 9,6702 | 0,6233 | 1,2438 *n* | 0,8263 | 9,2144 | + 0,06 |
| 11 | 9,6863 | 0,6207 | 1,2632 *n* | 0,5179 | 9,2813 | + 0,06 |
| 21 | 9,7009 | 0,6250 | 1,2690 *n* | 9,2857 *n* | 9,3393 | + 0,06 |
| 31 | 9,7152 | 0,6360 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7299 | 0,6528 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| 20 | 9,7457 | 0,6736 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,05 |
| 30 | 9,7629 | 0,6963 | 1,1557 *n* | 1,1112 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,7815 | 0,7187 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| 20 | 9,8014 | 0,7392 | 0,9826 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| 30 | 9,8220 | 0,7565 | 0,8344 *n* | 1,2750 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8430 | 0,7695 | 0,5880 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8637 | 0,7780 | 9,9108 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,8835 | 0,7818 | 0,3547 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9021 | 0,7811 | 0,7224 | 1,2883 *n* | 9,7150 | + 0,05 |
| 19 | 9,9191 | 0,7765 | 0,9111 | 1,2601 *n* | 9,7373 | + 0,05 |
| 29 | 9,9343 | 0,7689 | 1,0335 | 1,2170 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9476 | 0,7596 | 1,1193 | 1,1553 *n* | 9,7787 | + 0,05 |
| 18 | 9,9592 | 0,7500 | 1,1807 | 1,0685 *n* | 9,7980 | + 0,05 |
| 28 | 9,9691 | 0,7418 | 1,2238 | 0,9435 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 9,9777 | 0,7366 | 1,2518 | 0,7473 *n* | 9,8342 | + 0,05 |
| 17 | 9,9854 | 0,7357 | 1,2664 | 0,3464 *n* | 9,8512 | + 0,05 |
| 27 | 9,9926 | 0,7399 | 1,2682 | 0,0901 | 9,8676 | + 0,05 |
| Oct. 7 | 9,9999 | 0,7492 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0076 | 0,7630 | 1,2324 | 0,9020 | 9,8986 | + 0,04 |
| 27 | 0,0161 | 0,7797 | 1,1919 | 1,0444 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0256 | 0,7978 | 1,1321 | 1,1415 | 9,9276 | + 0,04 |
| 16 | 0,0362 | 0,8155 | 1,0466 | 1,2100 | 9,9414 | + 0,04 |
| 26 | 0,0477 | 0,8313 | 0,9220 | 1,2575 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0599 | 0,8438 | 0,7250 | 1,2880 | 9,9677 | + 0,04 |
| 16 | 0,0725 | 0,8524 | 0,3201 | 1,3038 | 9,9803 | + 0,04 |
| 26 | 0,0849 | 0,8565 | 0,0792 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,0969 | 0,8562 | 0,6487 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1753.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,3753 | 0,8568 | 0,5109 *n* | 1,2998 | — ∞ | + 0,05 |
| | 10 | 9,4320 | 0,8540 | 0,8075 *n* | 1,2789 | 8,4362 | + 0,05 |
| | 20 | 9,4790 | 0,8478 | 0,9728 *n* | 1,2424 | 8,7373 | + 0,05 |
| | 30 | 9,5177 | 0,8393 | 1,0816 *n* | 1,1876 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,5494 | 0,8299 | 1,1570 *n* | 1,1091 | 9,0383 | + 0,05 |
| | 19 | 9,5749 | 0,8212 | 1,2094 *n* | 0,9967 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,5961 | 0,8147 | 1,2438 *n* | 0,8263 | 9,2144 | + 0,04 |
| | 11 | 9,6143 | 0,8119 | 1,2632 *n* | 0,5179 | 9,2813 | + 0,04 |
| | 21 | 9,6307 | 0,8134 | 1,2690 *n* | 9,2856 *n* | 9,3393 | + 0,04 |
| | 31 | 9,6466 | 0,8193 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,6631 | 0,8292 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,04 |
| | 20 | 9,6807 | 0,8420 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,03 |
| | 30 | 9,6999 | 0,8564 | 1,1557 *n* | 1,1112 *n* | 9,5154 | + 0,03 |
| Maj. | 10 | 9,7207 | 0,8709 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,03 |
| | 20 | 9,7429 | 0,8843 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,03 |
| | 30 | 9,7659 | 0,8956 | 0,8344 *n* | 1,2750 *n* | 9,6123 | + 0,03 |
| Jun. | 9 | 9,7891 | 0,9040 | 0,5880 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| | 19 | 9,8119 | 0,9092 | 9,9107 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8338 | 0,9109 | 0,3547 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. | 9 | 9,8541 | 0,9092 | 0,7224 | 1,2883 *n* | 9,7150 | + 0,04 |
| | 19 | 9,8726 | 0,9047 | 0,9111 | 1,2601 *n* | 9,7373 | + 0,04 |
| | 29 | 9,8891 | 0,8979 | 1,0335 | 1,2170 *n* | 9,7585 | + 0,04 |
| Aug. | 8 | 9,9035 | 0,8898 | 1,1193 | 1,1552 *n* | 9,7787 | + 0,04 |
| | 18 | 9,9159 | 0,8815 | 1,1807 | 1,0685 *n* | 9,7980 | + 0,04 |
| | 28 | 9,9264 | 0,8742 | 1,2238 | 0,9435 *n* | 9,8164 | + 0,04 |
| Sept. | 7 | 9,9356 | 0,8691 | 1,2518 | 0,7473 *n* | 9,8342 | + 0,03 |
| | 17 | 9,9437 | 0,8672 | 1,2664 | 0,3464 *n* | 9,8512 | + 0,03 |
| | 27 | 9,9513 | 0,8690 | 1,2682 | 0,0901 | 9,8676 | + 0,03 |
| Oct. | 7 | 9,9590 | 0,8746 | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| | 17 | 9,9671 | 0,8837 | 1,2324 | 0,9020 | 9,8986 | + 0,03 |
| | 27 | 9,9761 | 0,8952 | 1,1919 | 1,0444 | 9,9134 | + 0,02 |
| Nov. | 6 | 9,9862 | 0,9079 | 1,1321 | 1,1415 | 9,9276 | + 0,02 |
| | 16 | 9,9975 | 0,9205 | 1,0466 | 1,2100 | 9,9414 | + 0,02 |
| | 26 | 0,0099 | 0,9318 | 0,9220 | 1,2575 | 9,9547 | + 0,02 |
| Dec. | 6 | 0,0229 | 0,9406 | 0,7250 | 1,2880 | 9,9677 | + 0,02 |
| | 16 | 0,0363 | 0,9463 | 0,3201 | 1,3038 | 9,9803 | + 0,03 |
| | 26 | 0,0496 | 0,9484 | 0,0791 *n* | 1,3056 | 9,9925 | + 0,03 |
| | 36 | 0,0624 | 0,9471 | 0,6487 *n* | 1,2937 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1754.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,1523 | 0,9480 | 0,5108 *n* | 1,2998 | — ∞ | + 0,03 |
| 10 | 9,2417 | 0,9445 | 0,8075 *n* | 1,2789 | 8,4362 | + 0,03 |
| 20 | 9,3114 | 0,9383 | 0,9728 *n* | 1,2424 | 8,7373 | + 0,03 |
| 30 | 9,3660 | 0,9302 | 1,0816 *n* | 1,1876 | 8,9134 | + 0,03 |
| Febr. 9 | 9,4091 | 0,9213 | 1,1570 *n* | 1,1091 | 9,0383 | + 0,03 |
| 19 | 9,4433 | 0,9129 | 1,2094 *n* | 0,9967 | 9,1352 | + 0,03 |
| Mart. 1 | 9,4709 | 0,9064 | 1,2438 *n* | 0,8263 | 9,2144 | + 0,03 |
| 11 | 9,4943 | 0,9027 | 1,2632 *n* | 0,5179 | 9,2813 | + 0,02 |
| 21 | 9,5151 | 0,9026 | 1,2690 *n* | 9,2855 *n* | 9,3393 | + 0,02 |
| 31 | 9,5351 | 0,9061 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,02 |
| Apr. 10 | 9,5556 | 0,9129 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,02 |
| 20 | 9,5774 | 0,9221 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,01 |
| 30 | 9,6011 | 0,9328 | 1,1557 *n* | 1,1112 *n* | 9,5154 | + 0,01 |
| Maj. 10 | 9,6266 | 0,9437 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,01 |
| 20 | 9,6535 | 0,9539 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,01 |
| 30 | 9,6812 | 0,9623 | 0,8344 *n* | 1,2750 *n* | 9,6123 | + 0,01 |
| Jun. 9 | 9,7089 | 0,9683 | 0,5880 *n* | 1,2969 *n* | 9,6404 | + 0,01 |
| 19 | 9,7358 | 0,9716 | 9,9107 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| 29 | 9,7614 | 0,9718 | 0,3547 | 1,3033 *n* | 9,6915 | + 0,02 |
| Jul. 9 | 9,7850 | 0,9692 | 0,7225 | 1,2883 *n* | 9,7150 | + 0,02 |
| 19 | 9,8063 | 0,9640 | 0,9111 | 1,2601 *n* | 9,7373 | + 0,02 |
| 29 | 9,8252 | 0,9568 | 1,0335 | 1,2170 *n* | 9,7585 | + 0,02 |
| Aug. 8 | 9,8416 | 0,9484 | 1,1193 | 1,1552 *n* | 9,7787 | + 0,02 |
| 18 | 9,8555 | 0,9398 | 1,1807 | 1,0685 *n* | 9,7980 | + 0,02 |
| 28 | 9,8674 | 0,9321 | 1,2238 | 0,9435 *n* | 9,8164 | + 0,02 |
| Sept. 7 | 9,8777 | 0,9262 | 1,2518 | 0,7472 *n* | 9,8342 | + 0,01 |
| 17 | 9,8867 | 0,9231 | 1,2664 | 0,3464 *n* | 9,8512 | + 0,01 |
| 27 | 9,8952 | 0,9233 | 1,2682 | 0,0901 | 9,8676 | + 0,01 |
| Oct. 7 | 9,9037 | 0,9269 | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| 17 | 9,9128 | 0,9336 | 1,2324 | 0,9020 | 9,8986 | + 0,01 |
| 27 | 9,9228 | 0,9425 | 1,1919 | 1,0443 | 9,9134 | 0,00 |
| Nov. 6 | 9,9341 | 0,9526 | 1,1321 | 1,1415 | 9,9276 | 0,00 |
| 16 | 9,9466 | 0,9627 | 1,0466 | 1,2099 | 9,9414 | 0,00 |
| 26 | 9,9603 | 0,9716 | 0,9220 | 1,2575 | 9,9547 | 0,00 |
| Dec. 6 | 9,9748 | 0,9784 | 0,7251 | 1,2880 | 9,9677 | 0,00 |
| 16 | 9,9896 | 0,9823 | 0,3202 | 1,3038 | 9,9803 | 0,00 |
| 26 | 0,0043 | 0,9831 | 0,0791 *n* | 1,3056 | 9,9925 | + 0,01 |
| 36 | 0,0183 | 0,9805 | 0,6487 *n* | 1,2937 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1755.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 8,4868 | 0,9819 | 0,5108 *n* | 1,2998 | — ∞ | + 0″,01 |
| | 10 | 8,7989 | 0,9774 | 0,8075 *n* | 1,2789 | 8,4362 | + 0,01 |
| | 20 | 8,9686 | 0,9703 | 0,9728 *n* | 1,2424 | 8,7373 | + 0,01 |
| | 30 | 9,0801 | 0,9614 | 1,0815 *n* | 1,1876 | 8,9134 | + 0,01 |
| Febr. | 9 | 9,1591 | 0,9518 | 1,1570 *n* | 1,1091 | 9,0383 | + 0,01 |
| | 19 | 9,2176 | 0,9426 | 1,2094 *n* | 0,9967 | 9,1352 | + 0,01 |
| Mart. | 1 | 9,2627 | 0,9351 | 1,2438 *n* | 0,8263 | 9,2144 | + 0,01 |
| | 11 | 9,2994 | 0,9302 | 1,2632 *n* | 0,5179 | 9,2813 | 0,00 |
| | 21 | 9,3312 | 0,9286 | 1,2690 *n* | 9,2854 *n* | 9,3393 | 0,00 |
| | 31 | 9,3610 | 0,9305 | 1,2618 *n* | 0,5630 *n* | 9,3905 | 0,00 |
| Apr. | 10 | 9,3910 | 0,9355 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,01 |
| | 20 | 9,4223 | 0,9428 | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,01 |
| | 30 | 9,4556 | 0,9516 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,01 |
| Maj. | 10 | 9,4906 | 0,9608 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,01 |
| | 20 | 9,5268 | 0,9692 | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,01 |
| | 30 | 9,5634 | 0,9760 | 0,8344 *n* | 1,2750 *n* | 9,6123 | — 0,01 |
| Jun. | 9 | 9,5992 | 0,9805 | 0,5880 *n* | 1,2969 *n* | 9,6404 | — 0,01 |
| | 19 | 9,6335 | 0,9824 | 9,9106 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| | 29 | 9,6655 | 0,9813 | 0,3548 | 1,3033 *n* | 9,6915 | — 0,01 |
| Jul. | 9 | 9,6947 | 0,9774 | 0,7225 | 1,2883 *n* | 9,7150 | — 0,01 |
| | 19 | 9,7208 | 0,9710 | 0,9112 | 1,2601 *n* | 9,7373 | 0,00 |
| | 29 | 9,7436 | 0,9625 | 1,0335 | 1,2170 *n* | 9,7585 | 0,00 |
| Aug. | 8 | 9,7633 | 0,9529 | 1,1193 | 1,1552 *n* | 9,7787 | 0,00 |
| | 18 | 9,7799 | 0,9430 | 1,1807 | 1,0685 *n* | 9,7980 | — 0,01 |
| | 28 | 9,7941 | 0,9338 | 1,2238 | 0,9434 *n* | 9,8164 | — 0,01 |
| Sept. | 7 | 9,8062 | 0,9265 | 1,2518 | 0,7472 *n* | 9,8342 | — 0,01 |
| | 17 | 9,8168 | 0,9219 | 1,2664 | 0,3464 *n* | 9,8512 | — 0,01 |
| | 27 | 9,8268 | 0,9206 | 1,2682 | 0,0901 | 9,8676 | — 0,01 |
| Oct. | 7 | 9,8367 | 0,9227 | 1,2572 | 0,6688 | 9,8834 | — 0,01 |
| | 17 | 9,8473 | 0,9280 | 1,2324 | 0,9020 | 9,8986 | — 0,02 |
| | 27 | 9,8590 | 0,9355 | 1,1919 | 1,0443 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8720 | 0,9444 | 1,1321 | 1,1415 | 9,9276 | — 0,02 |
| | 16 | 9,8865 | 0,9532 | 1,0466 | 1,2099 | 9,9414 | — 0,02 |
| | 26 | 9,9022 | 0,9610 | 0,9220 | 1,2575 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,9188 | 0,9666 | 0,7251 | 1,2880 | 9,9677 | — 0,02 |
| | 16 | 9,9357 | 0,9693 | 0,3202 | 1,3038 | 9,9803 | — 0,02 |
| | 26 | 9,9523 | 0,9687 | 0,0790 *n* | 1,3056 | 9,9925 | — 0,02 |
| | 36 | 9,9681 | 0,9648 | 0,6487 *n* | 1,2937 | 0,0044 | — 0,02 |

# Tabula VIII.

## 1756.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 8,9202 *n* | 0,9667 | 0,5108 *n* | 1,2998 | — ∞ | — 0″,02 |
| 11 | 8,7061 *n* | 0,9607 | 0,8075 *n* | 1,2789 | 8,4362 | — 0,01 |
| 21 | 8,3138 *n* | 0,9519 | 0,9728 *n* | 1,2424 | 8,7373 | — 0,01 |
| 31 | 7,8306 | 0,9412 | 1,0815 *n* | 1,1876 | 8,9134 | — 0,01 |
| Febr. 10 | 8,4901 | 0,9297 | 1,1570 *n* | 1,1091 | 9,0383 | — 0,01 |
| 20 | 8,7150 | 0,9185 | 1,2094 *n* | 0,9967 | 9,1352 | — 0,02 |
| Mart. 1 | 8,8459 | 0,9090 | 1,2438 *n* | 0,8263 | 9,2144 | — 0,02 |
| 11 | 8,9367 | 0,9023 | 1,2632 *n* | 0,5179 | 9,2813 | — 0,02 |
| 21 | 9,0076 | 0,8991 | 1,2690 *n* | 9,2852 *n* | 9,3393 | — 0,02 |
| 31 | 9,0690 | 0,8995 | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,02 |
| Apr. 10 | 9,1266 | 0,9033 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,03 |
| 20 | 9,1832 | 0,9098 | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,03 |
| 30 | 9,2399 | 0,9178 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,03 |
| Maj. 10 | 9,2964 | 0,9262 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,03 |
| 20 | 9,3525 | 0,9338 | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,03 |
| 30 | 9,4064 | 0,9399 | 0,8344 *n* | 1,2750 *n* | 9,6123 | — 0,03 |
| Jun. 9 | 9,4574 | 0,9434 | 0,5879 *n* | 1,2969 *n* | 9,6404 | — 0,03 |
| 19 | 9,5047 | 0,9440 | 9,9105 *n* | 1,3061 *n* | 9,6667 | — 0,03 |
| 29 | 9,5476 | 0,9415 | 0,3548 | 1,3033 *n* | 9,6915 | — 0,03 |
| Jul. 9 | 9,5859 | 0,9358 | 0,7225 | 1,2883 *n* | 9,7150 | — 0,03 |
| 19 | 9,6195 | 0,9274 | 0,9112 | 1,2601 *n* | 9,7373 | — 0,02 |
| 29 | 9,6484 | 0,9166 | 1,0335 | 1,2170 *n* | 9,7585 | — 0,02 |
| Aug. 8 | 9,6730 | 0,9044 | 1,1193 | 1,1552 *n* | 9,7787 | — 0,02 |
| 18 | 9,6938 | 0,8917 | 1,1807 | 1,0685 *n* | 9,7980 | — 0,03 |
| 28 | 9,7112 | 0,8799 | 1,2238 | 0,9434 *n* | 9,8164 | — 0,03 |
| Sept. 7 | 9,7261 | 0,8700 | 1,2518 | 0,7472 *n* | 9,8342 | — 0,03 |
| 17 | 9,7392 | 0,8631 | 1,2664 | 0,3463 *n* | 9,8512 | — 0,03 |
| 27 | 9,7514 | 0,8600 | 1,2682 | 0,0901 | 9,8676 | — 0,03 |
| Oct. 7 | 9,7635 | 0,8609 | 1,2572 | 0,6688 | 9,8834 | — 0,04 |
| 17 | 9,7762 | 0,8653 | 1,2324 | 0,9020 | 9,8986 | — 0,04 |
| 27 | 9,7903 | 0,8725 | 1,1919 | 1,0443 | 9,9134 | — 0,04 |
| Nov. 6 | 9,8058 | 0,8812 | 1,1321 | 1,1415 | 9,9276 | — 0,04 |
| 16 | 9,8229 | 0,8899 | 1,0466 | 1,2099 | 9,9414 | — 0,04 |
| 26 | 9,8413 | 0,8975 | 0,9220 | 1,2575 | 9,9547 | — 0,04 |
| Dec. 6 | 9,8606 | 0,9025 | 0,7251 | 1,2880 | 9,9677 | — 0,04 |
| 16 | 9,8801 | 0,9043 | 0,3202 | 1,3038 | 9,9803 | — 0,04 |
| 26 | 9,8992 | 0,9022 | 0,0789 *n* | 1,3056 | 9,9925 | — 0,04 |
| 36 | 9,9173 | 0,8962 | 0,6437 *n* | 1,2937 | 0,0044 | — 0,04 |

# Tabula VIII.

## 1757.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,2695 *n* | 0,8989 | 0,5108 *n* | 1,2998 | — ∞ | —″0,04 |
| | 10 | 9,1851 *n* | 0,8904 | 0,8075 *n* | 1,2789 | 8,4362 | —0,03 |
| | 20 | 9,0878 *n* | 0,8787 | 0,9728 *n* | 1,2425 | 8,7373 | —0,03 |
| | 30 | 8,9756 *n* | 0,8645 | 1,0815 *n* | 1,1876 | 8,9134 | —0,03 |
| Febr. | 9 | 8,8443 *n* | 0,8491 | 1,1570 *n* | 1,1092 | 9,0383 | —0,04 |
| | 19 | 8,6847 *n* | 0,8340 | 1,2094 *n* | 0,9968 | 9,1352 | —0,04 |
| Mart. | 1 | 8,4714 *h* | 0,8208 | 1,2438 *n* | 0,8263 | 9,2144 | —0,04 |
| | 11 | 8,1062 *n* | 0,8109 | 1,2632 *n* | 0,5179 | 9,2813 | —0,04 |
| | 21 | 7,4939 | 0,8052 | 1,2690 *n* | 9,2851 *n* | 9,3393 | —0,04 |
| | 31 | 8,2818 | 0,8041 | 1,2618 *n* | 0,5630 *n* | 9,3905 | —0,04 |
| Apr. | 10 | 8,5600 | 0,8072 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,04 |
| | 20 | 8,7444 | 0,8136 | 1,2068 *n* | 1,0046 *n* | 9,4776 | —0,05 |
| | 30 | 8,8886 | 0,8220 | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,05 |
| Maj. | 10 | 9,0095 | 0,8309 | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,05 |
| | 20 | 9,1139 | 0,8389 | 0,9825 *n* | 1,2390 *n* | 9,5824 | —0,05 |
| | 30 | 9,2051 | 0,8449 | 0,8344 *n* | 1,2750 *n* | 9,6123 | —0,05 |
| Jun. | 9 | 9,2850 | 0,8479 | 0,5879 *n* | 1,2969 *n* | 9,6404 | —0,05 |
| | 19 | 9,3547 | 0,8472 | 9,9104 *n* | 1,3061 *n* | 9,6667 | —0,05 |
| | 29 | 9,4152 | 0,8426 | 0,3548 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. | 9 | 9,4674 | 0,8340 | 0,7225 | 1,2883 *n* | 9,7150 | —0,04 |
| | 19 | 9,5118 | 0,8218 | 0,9112 | 1,2601 *n* | 9,7373 | —0,04 |
| | 29 | 9,5493 | 0,8064 | 1,0335 | 1,2170 *n* | 9,7585 | —0,04 |
| Aug. | 8 | 9,5808 | 0,7890 | 1,1193 | 1,1552 *n* | 9,7787 | —0,04 |
| | 18 | 9,6070 | 0,7708 | 1,1807 | 1,0685 *n* | 9,7980 | —0,04 |
| | 28 | 9,6289 | 0,7534 | 1,2238 | 0,9434 *n* | 9,8164 | —0,04 |
| Sept. | 7 | 9,6475 | 0,7384 | 1,2518 | 0,7472 *n* | 9,8342 | —0,05 |
| | 17 | 9,6638 | 0,7273 | 1,2664 | 0,3463 *n* | 9,8512 | —0,05 |
| | 27 | 9,6790 | 0,7213 | 1,2682 | 0,0901 | 9,8676 | —0,05 |
| Oct. | 7 | 9,6938 | 0,7206 | 1,2572 | 0,6688 | 9,8834 | —0,05 |
| | 17 | 9,7094 | 0,7250 | 1,2324 | 0,9020 | 9,8986 | —0,05 |
| | 27 | 9,7263 | 0,7332 | 1,1919 | 1,0443 | 9,9134 | —0,05 |
| Nov. | 6 | 9,7448 | 0,7435 | 1,1321 | 1,1415 | 9,9276 | —0,05 |
| | 16 | 9,7650 | 0,7539 | 1,0466 | 1,2099 | 9,9414 | —0,05 |
| | 26 | 9,7865 | 0,7626 | 0,9220 | 1,2575 | 9,9547 | —0,05 |
| Dec. | 6 | 9,8088 | 0,7680 | 0,7251 | 1,2880 | 9,9677 | —0,05 |
| | 16 | 9,8312 | 0,7689 | 0,3203 | 1,3038 | 9,9803 | —0,05 |
| | 26 | 9,8530 | 0,7646 | 0,0789 *n* | 1,3056 | 9,9925 | —0,05 |
| | 36 | 9,8735 | 0,7547 | 0,6486 *n* | 1,2937 | 0,0044 | —0,05 |

# Tabula VIII.

## 1758.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,4241 *n* | 0,7591 | 0,5107 *n* | 1,2998 | — ∞ | —0,05″ |
| | 10 | 9,3653 *n* | 0,7459 | 0,8075 *n* | 1,2789 | 8,4362 | —0,05 |
| | 20 | 9,3018 *n* | 0,7278 | 0,9728 *n* | 1,2425 | 8,7373 | —0,05 |
| | 30 | 9,2348 *n* | 0,7059 | 1,0815 *n* | 1,1876 | 8,9134 | —0,05 |
| Febr. | 9 | 9,1651 *n* | 0,6818 | 1,1570 *n* | 1,1092 | 9,0388 | —0,05 |
| | 19 | 9,0933 *n* | 0,6577 | 1,2094 *n* | 0,9968 | 9,1352 | —0,05 |
| Mart. | 1 | 9,0186 *n* | 0,6359 | 1,2438 *n* | 0,8263 | 9,2144 | —0,05 |
| | 11 | 8,9381 *n* | 0,6187 | 1,2632 *n* | 0,5179 | 9,2813 | —0,05 |
| | 21 | 8,8451 *n* | 0,6079 | 1,2690 *n* | 9,2850 *n* | 9,3393 | —0,05 |
| | 31 | 8,7256 *n* | 0,6042 | 1,2618 *n* | 0,5630 *n* | 9,3905 | —0,06 |
| Apr. | 10 | 8,5459 *n* | 0,6071 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,06 |
| | 20 | 8,1791 *n* | 0,6154 | 1,2068 *n* | 1,0046 *n* | 9,4776 | —0,06 |
| | 30 | 7,8811 | 0,6268 | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,06 |
| Maj. | 10 | 8,5223 | 0,6390 | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,06 |
| | 20 | 8,7918 | 0,6498 | 0,9825 *n* | 1,2390 *n* | 9,5824 | —0,06 |
| | 30 | 8,9693 | 0,6574 | 0,8344 *n* | 1,2750 *n* | 9,6123 | —0,06 |
| Jun. | 9 | 9,1018 | 0,6604 | 0,5879 *n* | 1,2969 *n* | 9,6404 | —0,06 |
| | 19 | 9,2065 | 0,6578 | 9,9103 *n* | 1,3061 *n* | 9,6667 | —0,06 |
| | 29 | 9,2913 | 0,6491 | 0,3549 | 1,3033 *n* | 9,6915 | —0,06 |
| Jul. | 9 | 9,3610 | 0,6340 | 0,7225 | 1,2883 *n* | 9,7150 | —0,06 |
| | 19 | 9,4185 | 0,6128 | 0,9112 | 1,2601 *n* | 9,7373 | —0,05 |
| | 29 | 9,4659 | 0,5860 | 1,0335 | 1,2169 *n* | 9,7585 | —0,05 |
| Aug. | 8 | 9,5050 | 0,5549 | 1,1193 | 1,1552 *n* | 9,7787 | —0,05 |
| | 18 | 9,5372 | 0,5213 | 1,1807 | 1,0685 *n* | 9,7980 | —0,05 |
| | 28 | 9,5639 | 0,4877 | 1,2238 | 0,9434 *n* | 9,8164 | —0,05 |
| Sept. | 7 | 9,5865 | 0,4574 | 1,2518 | 0,7472 *n* | 9,8342 | —0,06 |
| | 17 | 9,6062 | 0,4337 | 1,2664 | 0,3463 *n* | 9,8512 | —0,06 |
| | 27 | 9,6243 | 0,4195 | 1,2682 | 0,0901 | 9,8676 | —0,06 |
| Oct. | 7 | 9,6421 | 0,4160 | 1,2572 | 0,6688 | 9,8834 | —0,06 |
| | 17 | 9,6605 | 0,4226 | 1,2324 | 0,9020 | 9,8986 | —0,06 |
| | 27 | 9,6802 | 0,4368 | 1,1919 | 1,0443 | 9,9134 | —0,06 |
| Nov. | 6 | 9,7016 | 0,4549 | 1,1321 | 1,1415 | 9,9276 | —0,06 |
| | 16 | 9,7246 | 0,4731 | 1,0466 | 1,2099 | 9,9414 | —0,06 |
| | 26 | 9,7489 | 0,4878 | 0,9220 | 1,2575 | 9,9547 | —0,06 |
| Dec. | 6 | 9,7739 | 0,4962 | 0,7251 | 1,2880 | 9,9677 | —0,06 |
| | 16 | 9,7987 | 0,4962 | 0,3203 | 1,3038 | 9,9803 | —0,06 |
| | 26 | 9,8228 | 0,4864 | 0,0788 *n* | 1,3056 | 9,9925 | —0,06 |
| | 36 | 9,8453 | 0,4658 | 0,6486 *n* | 1,2937 | 0,0044 | —0,06 |

# Tabula VIII.

## 1759.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,4953 *n* | 0,4748 | 0,5107 *n* | 1,2998 | — ∞ | — 0,06 |
| | 10 | 9,4444 *n* | 0,4473 | 0,8075 *n* | 1,2789 | 8,4362 | — 0,06 |
| | 20 | 9,3905 *n* | 0,4086 | 0,9727 *n* | 1,2425 | 8,7373 | — 0,06 |
| | 30 | 9,3346 *n* | 0,3596 | 1,0815 *n* | 1,1876 | 8,9134 | — 0,06 |
| Febr. | 9 | 9,2780 *n* | 0,3020 | 1,1570 *n* | 1,1092 | 9,0383 | — 0,06 |
| | 19 | 9,2211 *n* | 0,2392 | 1,2094 *n* | 0,9968 | 9,1352 | — 0,06 |
| Mart. | 1 | 9,1638 *n* | 0,1766 | 1,2438 *n* | 0,8263 | 9,2144 | — 0,06 |
| | 11 | 9,1044 *n* | 0,1219 | 1,2632 *n* | 0,5179 | 9,2813 | — 0,06 |
| | 21 | 9,0393 *n* | 0,0835 | 1,2690 *n* | 9,2849 *n* | 9,3393 | — 0,06 |
| | 31 | 8,9620 *n* | 0,0674 | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,06 |
| Apr. | 10 | 8,8611 *n* | 0,0743 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| | 20 | 8,7125 *n* | 0,0987 | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,07 |
| | 30 | 8,4450 *n* | 0,1323 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,07 |
| Maj. | 10 | 7,0739 *n* | 0,1668 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,07 |
| | 20 | 8,4543 | 0,1959 | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,07 |
| | 30 | 8,7834 | 0,2151 | 0,8344 *n* | 1,2750 *n* | 9,6123 | — 0,07 |
| Jun. | 9 | 8,9777 | 0,2214 | 0,5879 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| | 19 | 9,1154 | 0,2124 | 9,9102 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| | 29 | 9,2206 | 0,1856 | 0,3549 | 1,3033 *n* | 9,6915 | — 0,06 |
| Jul. | 9 | 9,3037 | 0,1381 | 0,7225 | 1,2883 *n* | 9,7150 | — 0,06 |
| | 19 | 9,3706 | 0,0652 | 0,9112 | 1,2601 *n* | 9,7373 | — 0,06 |
| | 29 | 9,4249 | 9,9593 | 1,0335 | 1,2169 *n* | 9,7585 | — 0,06 |
| Aug. | 8 | 9,4692 | 9,8048 | 1,1193 | 1,1552 *n* | 9,7787 | — 0,06 |
| | 18 | 9,5054 | 9,5621 | 1,1807 | 1,0685 *n* | 9,7980 | — 0,06 |
| | 28 | 9,5354 | 9,0509 | 1,2238 | 0,9434 *n* | 9,8164 | — 0,06 |
| Sept. | 7 | 9,5607 | 9,0000 *n* | 1,2518 | 0,7472 *n* | 9,8342 | — 0,06 |
| | 17 | 9,5827 | 9,4102 *n* | 1,2664 | 0,3463 *n* | 9,8512 | — 0,06 |
| | 27 | 9,6030 | 9,5436 *n* | 1,2682 | 0,0901 | 9,8676 | — 0,06 |
| Oct. | 7 | 9,6227 | 9,5743 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,07 |
| | 17 | 9,6429 | 9,5309 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,07 |
| | 27 | 9,6644 | 9,4076 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,07 |
| Nov. | 6 | 9,6874 | 9,1548 *n* | 1,1321 | 1,1415 | 9,9276 | — 0,07 |
| | 16 | 9,7121 | 8,3891 *n* | 1,0466 | 1,2099 | 9,9414 | — 0,07 |
| | 26 | 9,7379 | 8,8732 | 0,9220 | 1,2575 | 9,9547 | — 0,07 |
| Dec. | 6 | 9,7643 | 9,1203 | 0,7251 | 1,2880 | 9,9677 | — 0,07 |
| | 16 | 9,7904 | 9,1120 | 0,3204 | 1,3038 | 9,9803 | — 0,06 |
| | 26 | 9,8156 | 8,7543 | 0,0787 *n* | 1,3056 | 9,9925 | — 0,06 |
| | 36 | 9,8392 | 8,9416 *n* | 0,6486 *n* | 1,2937 | 0,0044 | — 0,06 |

# Tabula VIII.

## 1760.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 1 | 9,5093 *n* | 8.4002 *n* | 0,5107 *n* | 1,2998 | — ∞ | — 0,06 |
| | 11 | 9,4585 *n* | 9,3235 *n* | 0,8074 *n* | 1,2789 | 8,4362 | — 0,06 |
| | 21 | 9,4047 *n* | 9,6541 *n* | 0,9727 *n* | 1,2425 | 8,7373 | — 0,06 |
| | 31 | 9,3487 *n* | 9,8608 *n* | 1,0815 *n* | 1,1876 | 8,9134 | — 0,06 |
| Febr. | 10 | 9,2918 *n* | 0,0049 *n* | 1,1570 *n* | 1,1092 | 9,0383 | — 0,06 |
| | 20 | 9,2342 *n* | 0,1080 *n* | 1,2094 *n* | 0,9968 | 9,1352 | — 0,06 |
| Mart. | 1 | 9,1757 *n* | 0,1806 *n* | 1,2438 *n* | 0,8263 | 9,2144 | — 0,06 |
| | 11 | 9,1145 *n* | 0,2289 *n* | 1,2632 *n* | 0,5180 | 9,2813 | — 0,06 |
| | 21 | 9,0471 *n* | 0,2568 *n* | 1,2690 *n* | 9,2848 *n* | 9,3393 | — 0,06 |
| | 31 | 8,9665 *n* | 0,2672 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,06 |
| Apr. | 10 | 8,8605 *n* | 0,2628 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| | 20 | 8,7029 *n* | 0,2460 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,07 |
| | 30 | 8,4100 *n* | 0,2202 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,07 |
| Maj. | 10 | 7,3034 | 0,1895 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,07 |
| | 20 | 8,5144 | 0,1596 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,07 |
| | 30 | 8,8193 | 0,1372 *n* | 0,8344 *n* | 1,2750 *n* | 9,6123 | — 0,06 |
| Jun. | 9 | 9,0055 | 0,1290 *n* | 0,5879 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| | 19 | 9,1391 | 0,1392 *n* | 9,9101 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| | 29 | 9,2418 | 0,1682 *n* | 0,3549 | 1,3033 *n* | 9,6915 | — 0,06 |
| Jul. | 9 | 9,3235 | 0,2120 *n* | 0,7225 | 1,2883 *n* | 9,7150 | — 0,06 |
| | 19 | 9,3894 | 0,2645 *n* | 0,9112 | 1,2601 *n* | 9,7373 | — 0,06 |
| | 29 | 9,4432 | 0,3195 *n* | 1,0335 | 1,2169 *n* | 9,7585 | — 0,06 |
| Aug. | 8 | 9,4871 | 0,3722 *n* | 1,1193 | 1,1552 *n* | 9,7787 | — 0,06 |
| | 18 | 9,5233 | 0,4193 *n* | 1,1807 | 1,0684 *n* | 9,7980 | — 0,06 |
| | 28 | 9,5533 | 0,4585 *n* | 1,2238 | 0,9434 *n* | 9,8164 | — 0,06 |
| Sept. | 7 | 9,5788 | 0,4889 *n* | 1,2518 | 0,7472 *n* | 9,8342 | — 0,06 |
| | 17 | 9,6011 | 0,5099 *n* | 1,2664 | 0,3463 *n* | 9,8512 | — 0,06 |
| | 27 | 9,6215 | 0,5216 *n* | 1,2682 | 0,0902 | 9,8676 | — 0,06 |
| Oct. | 7 | 9,6414 | 0,5243 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,06 |
| | 17 | 9,6618 | 0,5189 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,06 |
| | 27 | 9,6833 | 0,5070 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. | 6 | 9,7062 | 0,4907 *n* | 1,1322 | 1,1415 | 9,9276 | — 0,06 |
| | 16 | 9,7347 | 0,4729 *n* | 1,0466 | 1,2099 | 9,9414 | — 0,06 |
| | 26 | 9,7562 | 0,4573 *n* | 0,9220 | 1,2575 | 9,9547 | — 0,06 |
| Dec. | 6 | 9,7822 | 0,4475 *n* | 0,7251 | 1,2880 | 9,9677 | — 0,06 |
| | 16 | 9,8080 | 0,4469 *n* | 0,3204 | 1,3038 | 9,9803 | — 0,06 |
| | 26 | 9,8329 | 0,4570 *n* | 0,0787 *n* | 1,3056 | 9,9925 | — 0,06 |
| | 36 | 9,8561 | 0,4773 *n* | 0,6486 *n* | 1,2937 | 0,0044 | — 0,06 |

# Tabula VIII.

## 1761.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,4713 *n* | 0,4686 *n* | 0,5107 *n* | 1,2998 | — ∞ | — 0″,06 |
| | 10 | 9,4139 *n* | 0,4942 *n* | 0,3074 *n* | 1,2789 | 8,4362 | — 0,05 |
| | 20 | 9,3519 *n* | 0,5254 *n* | 0,9727 *n* | 1,2425 | 8,7373 | — 0,05 |
| | 30 | 9,2860 *n* | 0,5587 *n* | 1,0815 *n* | 1,1876 | 8,9134 | — 0,05 |
| Febr. | 9 | 9,2168 *n* | 0,5908 *n* | 1,1570 *n* | 1,1092 | 9,0383 | — 0,05 |
| | 19 | 9,1445 *n* | 0,6191 *n* | 1,2094 *n* | 0,9968 | 9,1352 | — 0,05 |
| Mart. | 1 | 9,0678 *n* | 0,6420 *n* | 1,2438 *n* | 0,8263 | 9,2144 | — 0,05 |
| | 11 | 8,9835 *n* | 0,6585 *n* | 1,2632 *n* | 0,5180 | 9,2813 | — 0,05 |
| | 21 | 8,8840 *n* | 0,6682 *n* | 1,2690 *n* | 9,2846 *n* | 9,3393 | — 0,06 |
| | 31 | 8,7538 *n* | 0,6715 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,06 |
| Apr. | 10 | 8,5532 *n* | 0,6689 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| | 20 | 8,1041 *n* | 0,6615 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,06 |
| | 30 | 8,1133 | 0,6508 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,06 |
| Maj. | 10 | 8,6195 | 0,6386 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,06 |
| | 20 | 8,8648 | 0,6272 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,06 |
| | 30 | 9,0313 | 0,6186 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | — 0,06 |
| Jun. | 9 | 9,1475 | 0,6147 *n* | 0,5879 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| | 19 | 9,2579 | 0,6170 *n* | 9,9100 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| | 29 | 9,3400 | 0,6257 *n* | 0,3550 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. | 9 | 9,4079 | 0,6403 *n* | 0,7226 | 1,2883 *n* | 9,7150 | — 0,05 |
| | 19 | 9,4643 | 0,6596 *n* | 0,9112 | 1,2601 *n* | 9,7373 | — 0,05 |
| | 29 | 9,5112 | 0,6815 *n* | 1,0335 | 1,2169 *n* | 9,7585 | — 0,05 |
| Aug. | 8 | 9,5501 | 0,7041 *n* | 1,1193 | 1,1552 *n* | 9,7787 | — 0,05 |
| | 18 | 9,5826 | 0,7257 *n* | 1,1807 | 1,0684 *n* | 9,7980 | — 0,05 |
| | 28 | 9,6099 | 0,7445 *n* | 1,2239 | 0,9434 *n* | 9,8164 | — 0,05 |
| Sept. | 7 | 9,6332 | 0,7596 *n* | 1,2518 | 0,7472 *n* | 9,8342 | — 0,05 |
| | 17 | 9,6538 | 0,7700 *n* | 1,2664 | 0,3463 *n* | 9,8512 | — 0,05 |
| | 27 | 9,6728 | 0,7755 *n* | 1,2682 | 0,0902 | 9,8676 | — 0,05 |
| Oct. | 7 | 9,6913 | 0,7760 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| | 17 | 9,7102 | 0,7721 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,05 |
| | 27 | 9,7302 | 0,7644 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,05 |
| Nov. | 6 | 9,7515 | 0,7544 *n* | 1,1322 | 1,1415 | 9,9276 | — 0,05 |
| | 16 | 9,7742 | 0,7437 *n* | 1,0466 | 1,2099 | 9,9414 | — 0,05 |
| | 26 | 9,7979 | 0,7342 *n* | 0,9220 | 1,2575 | 9,9547 | — 0,05 |
| Dec. | 6 | 9,8222 | 0,7279 *n* | 0,7251 | 1,2880 | 9,9677 | — 0,05 |
| | 16 | 9,8463 | 0,7264 *n* | 0,3204 | 1,3038 | 9,9803 | — 0,05 |
| | 26 | 9,8696 | 0,7305 *n* | 0,0786 *n* | 1,3056 | 9,9925 | — 0,04 |
| | 36 | 9,8915 | 0,7402 *n* | 0,6486 *n* | 1,2937 | 0,0044 | — 0,04 |

# Tabula VIII.

## 1762.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,3717 *n* | 0,7360 *n* | 0,5106 *n* | 1,2998 | — ∞ | —″0,04 |
| | 10 | 9,2965 *n* | 0,7488 *n* | 0,8074 *n* | 1,2789 | 8,4362 | — 0,04 |
| | 20 | 9,2111 *n* | 0,7653 *n* | 0,9727 *n* | 1,2425 | 8,7373 | — 0,04 |
| | 30 | 9,1144 *n* | 0,7836 *n* | 1,0815 *n* | 1,1876 | 8,9134 | — 0,04 |
| Febr. | 9 | 9,0038 *n* | 0,8019 *n* | 1,1570 *n* | 1,1092 | 9,0383 | — 0,04 |
| | 19 | 8,8738 *n* | 0,8185 *n* | 1,2094 *n* | 0,9968 | 9,1352 | — 0,04 |
| Mart. | 1 | 8,7110 *n* | 0,8321 *n* | 1,2438 *n* | 0,8264 | 9,2144 | — 0,04 |
| | 11 | 8,4767 *n* | 0,8418 *n* | 1,2632 *n* | 0,5180 | 9,2813 | — 0,04 |
| | 21 | 7,9768 *n* | 0,8471 *n* | 1,2690 *n* | 9,2845 *n* | 9,3393 | — 0,04 |
| | 31 | 8,0463 | 0,8483 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,04 |
| Apr. | 10 | 8,5172 | 0,8455 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,04 |
| | 20 | 8,7536 | 0,8395 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,05 |
| | 30 | 8,9199 | 0,8313 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,05 |
| Maj. | 10 | 9,0514 | 0,8222 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,04 |
| | 20 | 9,1611 | 0,8135 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,04 |
| | 30 | 9,2550 | 0,8067 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | — 0,04 |
| Jun. | 9 | 9,3362 | 0,8030 *n* | 0,5878 *n* | 1,2969 *n* | 9,6404 | — 0,04 |
| | 19 | 9,4065 | 0,8032 *n* | 9,9099 *n* | 1,3061 *n* | 9,6667 | — 0,04 |
| | 29 | 9,4675 | 0,8076 *n* | 0,3550 | 1,3033 *n* | 9,6915 | — 0,04 |
| Jul. | 9 | 9,5200 | 0,8161 *n* | 0,7226 | 1,2883 *n* | 9,7150 | — 0,04 |
| | 19 | 9,5650 | 0,8278 *n* | 0,9112 | 1,2601 *n* | 9,7373 | — 0,03 |
| | 29 | 9,6034 | 0,8416 *n* | 1,0335 | 1,2169 *n* | 9,7585 | — 0,03 |
| Aug. | 8 | 9,6359 | 0,8562 *n* | 1,1193 | 1,1552 *n* | 9,7787 | — 0,03 |
| | 18 | 9,6634 | 0,8704 *n* | 1,1807 | 1,0684 *n* | 9,7980 | — 0,03 |
| | 28 | 9,6867 | 0,8829 *n* | 1,2239 | 0,9434 *n* | 9,8164 | — 0,03 |
| Sept. | 7 | 9,7069 | 0,8928 *n* | 1,2518 | 0,7472 *n* | 9,8342 | — 0,03 |
| | 17 | 9,7249 | 0,8994 *n* | 1,2664 | 0,3463 *n* | 9,8512 | — 0,03 |
| | 27 | 9,7416 | 0,9024 *n* | 1,2682 | 0,0902 | 9,8676 | — 0,03 |
| Oct. | 7 | 9,7580 | 0,9017 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,04 |
| | 17 | 9,7747 | 0,8976 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,04 |
| | 27 | 9,7924 | 0,8903 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,04 |
| Nov. | 6 | 9,8114 | 0,8821 *n* | 1,1322 | 1,1415 | 9,9276 | — 0,04 |
| | 16 | 9,8316 | 0,8730 *n* | 1,0466 | 1,2099 | 9,9414 | — 0,04 |
| | 26 | 9,8529 | 0,8647 *n* | 0,9220 | 1,2575 | 9,9547 | — 0,03 |
| Dec. | 6 | 9,8747 | 0,8588 *n* | 0,7252 | 1,2880 | 9,9677 | — 0,03 |
| | 16 | 9,8965 | 0,8564 *n* | 0,3205 | 1,3038 | 9,9803 | — 0,03 |
| | 26 | 9,9176 | 0,8581 *n* | 0,0785 *n* | 1,3056 | 9,9925 | — 0,03 |
| | 36 | 9,9375 | 0,8642 *n* | 0,6486 *n* | 1,2937 | 0,0044 | — 0,03 |

# Tabula VIII.

## 1763.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,1716 *n* | 0,8614 *n* | 0,5106 *n* | 1,2998 | — ∞ | — 0,03 |
| | 10 | 9,0430 *n* | 0,8698 *n* | 0,8074 *n* | 1,2789 | 8,4362 | — 0,02 |
| | 20 | 8,8722 *n* | 0,8811 *n* | 0,9727 *n* | 1,2425 | 8,7373 | — 0,02 |
| | 30 | 8,6176 *n* | 0,8940 *n* | 1,0815 *n* | 1,1876 | 8,9134 | — 0,02 |
| Febr. | 9 | 8,0656 *n* | 0,9071 *n* | 1,1570 *n* | 1,1092 | 9,0383 | — 0,02 |
| | 19 | 8,1766 | 0,9190 *n* | 1,2094 *n* | 0,9968 | 9,1352 | — 0,02 |
| Mart. | 1 | 8,5905 | 0,9287 *n* | 1,2438 *n* | 0,8264 | 9,2144 | — 0,02 |
| | 11 | 8,7848 | 0,9353 *n* | 1,2632 *n* | 0,5180 | 9,2813 | — 0,02 |
| | 21 | 8,9136 | 0,9385 *n* | 1,2690 *n* | 9,2844 *n* | 9,3393 | — 0,02 |
| | 31 | 9,0132 | 0,9383 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,03 |
| Apr. | 10 | 9,0983 | 0,9349 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,03 |
| | 20 | 9,1752 | 0,9288 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,03 |
| | 30 | 9,2472 | 0,9210 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,03 |
| Maj. | 10 | 9,3151 | 0,9124 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,03 |
| | 20 | 9,3792 | 0,9041 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,03 |
| | 30 | 9,4392 | 0,8973 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | — 0,02 |
| Jun. | 9 | 9,4946 | 0,8930 *n* | 0,5878 *n* | 1,2969 *n* | 9,6404 | — 0,02 |
| | 19 | 9,5453 | 0,8918 *n* | 9,9098 *n* | 1,3061 *n* | 9,6667 | — 0,02 |
| | 29 | 9,5909 | 0,8942 *n* | 0,3550 | 1,3033 *n* | 9,6915 | — 0,02 |
| Jul. | 9 | 9,6315 | 0,8998 *n* | 0,7226 | 1,2882 *n* | 9,7150 | — 0,02 |
| | 19 | 9,6671 | 0,9082 *n* | 0,9112 | 1,2601 *n* | 9,7373 | — 0,01 |
| | 29 | 9,6931 | 0,9184 *n* | 1,0335 | 1,2169 *n* | 9,7585 | — 0,01 |
| Aug. | 8 | 9,7247 | 0,9295 *n* | 1,1193 | 1,1552 *n* | 9,7787 | — 0,01 |
| | 18 | 9,7476 | 0,9403 *n* | 1,1808 | 1,0684 *n* | 9,7980 | — 0,01 |
| | 28 | 9,7673 | 0,9498 *n* | 1,2239 | 0,9434 *n* | 9,8164 | — 0,01 |
| Sept. | 7 | 9,7844 | 0,9571 *n* | 1,2518 | 0,7472 *n* | 9,8342 | — 0,01 |
| | 17 | 9,7997 | 0,9616 *n* | 1,2664 | 0,3462 *n* | 9,8512 | — 0,02 |
| | 27 | 9,8041 | 0,9631 *n* | 1,2682 | 0,0902 | 9,8676 | — 0,02 |
| Oct. | 7 | 9,8282 | 0,9613 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,02 |
| | 17 | 9,8428 | 0,9566 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,02 |
| | 27 | 9,8582 | 0,9494 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8747 | 0,9406 *n* | 1,1322 | 1,1415 | 9,9276 | — 0,02 |
| | 16 | 9,8925 | 0,9313 *n* | 1,0466 | 1,2099 | 9,9414 | — 0,02 |
| | 26 | 9,9112 | 0,9228 *n* | 0,9220 | 1,2575 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,9305 | 0,9163 *n* | 0,7252 | 1,2880 | 9,9677 | — 0,01 |
| | 16 | 9,9499 | 0,9129 *n* | 0,3205 | 1,3038 | 9,9803 | — 0,01 |
| | 26 | 9,9688 | 0,9131 *n* | 0,0784 *n* | 1,3056 | 9,9925 | — 0,01 |
| | 36 | 9,9867 | 0,9171 *n* | 0,6485 *n* | 1,2937 | 0,0044 | — 0,01 |

# Tabula VIII.

## 1764.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 1 | 8,6519 *n* | 0,9151 *n* | 0,5106 *n* | 1,2998 | — ∞ | — 0,01 |
| | 11 | 7,8138 *n* | 0,9212 *n* | 0,8074 *n* | 1,2789 | 8,4362 | — 0,01 |
| | 21 | 8,4727 | 0,9300 *n* | 0,9727 *n* | 1,2425 | 8,7373 | 0,00 |
| | 31 | 8,7995 | 0,9403 *n* | 1,0815 *n* | 1,1876 | 8,9134 | 0,00 |
| Febr. | 10 | 8,9691 | 0,9508 *n* | 1,1570 *n* | 1,1092 | 9,0383 | 0,00 |
| | 20 | 9,0794 | 0,9604 *n* | 1,2094 *n* | 0,9968 | 9,1352 | 0,00 |
| Mart. | 1 | 9,1591 | 0,9680 *n* | 1,2438 *n* | 0,8264 | 9,2144 | 0,00 |
| | 11 | 9,2214 | 0,9728 *n* | 1,2632 *n* | 0,5180 | 9,2813 | 0,00 |
| | 21 | 9,2736 | 0,9746 *n* | 1,2690 *n* | 9,2843 *n* | 9,3393 | — 0,01 |
| | 31 | 9,3204 | 0,9732 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | — 0,01 |
| Apr. | 10 | 9,3648 | 0,9688 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,01 |
| | 20 | 9,4086 | 0,9620 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | — 0,01 |
| | 30 | 9,4524 | 0,9535 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,01 |
| Maj. | 10 | 9,4962 | 0,9442 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,01 |
| | 20 | 9,5398 | 0,9352 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,01 |
| | 30 | 9,5823 | 0,9275 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | 0,00 |
| Jun. | 9 | 9,6230 | 0,9221 *n* | 0,5878 *n* | 1,2969 *n* | 9,6404 | 0,00 |
| | 19 | 9,6614 | 0,9197 *n* | 9,9097 *n* | 1,3061 *n* | 9,6667 | 0,00 |
| | 29 | 9,6969 | 0,9205 *n* | 0,3551 | 1,3033 *n* | 9,6915 | 0,00 |
| Jul. | 9 | 9,7291 | 0,9244 *n* | 0,7226 | 1,2882 *n* | 9,7150 | 0,00 |
| | 19 | 9,7580 | 0,9310 *n* | 0,9112 | 1,2601 *n* | 9,7373 | 0,00 |
| | 29 | 9,7833 | 0,9394 *n* | 1,0335 | 1,2169 *n* | 9,7585 | + 0,01 |
| Aug. | 8 | 9,8055 | 0,9487 *n* | 1,1193 | 1,1552 *n* | 9,7787 | + 0,01 |
| | 18 | 9,8246 | 0,9577 *n* | 1,1808 | 1,0684 *n* | 9,7980 | + 0,01 |
| | 28 | 9,8412 | 0,9656 *n* | 1,2239 | 0,9434 *n* | 9,8164 | + 0,01 |
| Sept. | 7 | 9,8558 | 0,9714 *n* | 1,2518 | 0,7472 *n* | 9,8342 | + 0,01 |
| | 17 | 9,8684 | 0,9746 *n* | 1,2664 | 0,3462 *n* | 9,8512 | + 0,01 |
| | 27 | 9,8812 | 0,9748 *n* | 1,2682 | 0,0902 | 9,8676 | 0,00 |
| Oct. | 7 | 9,8934 | 0,9718 *n* | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| | 17 | 9,9059 | 0,9659 *n* | 1,2324 | 0,9020 | 9,8986 | 0,00 |
| | 27 | 9,9193 | 0,9576 *n* | 1,1919 | 1,0443 | 9,9134 | 0,00 |
| Nov. | 6 | 9,9338 | 0,9477 *n* | 1,1322 | 1,1415 | 9,9276 | 0,00 |
| | 16 | 9,9493 | 0,9373 *n* | 1,0466 | 1,2099 | 9,9414 | 0,00 |
| | 26 | 9,9658 | 0,9275 *n* | 0,9220 | 1,2574 | 9,9547 | 0,00 |
| Dec. | 6 | 9,9829 | 0,9197 *n* | 0,7252 | 1,2880 | 9,9677 | + 0,01 |
| | 16 | 0,0001 | 0,9149 *n* | 0,3205 | 1,3038 | 9,9803 | + 0,01 |
| | 26 | 0,0170 | 0,9137 *n* | 0,0784 *n* | 1,3056 | 9,9925 | + 0,01 |
| | 36 | 0,0330 | 0,9162 *n* | 0,6485 *n* | 1,2937 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1765.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 8,8088 | 0,9148 *n* | 0,5106 *n* | 1,2998 | — ∞ | + 0,01 |
| | 10 | 9,0117 | 0,9195 *n* | 0,8074 *n* | 1,2789 | 8,4362 | + 0,01 |
| | 20 | 9,1428 | 0,9270 *n* | 0,9727 *n* | 1,2425 | 8,7373 | + 0,02 |
| | 30 | 9,2361 | 0,9361 *n* | 1,0815 *n* | 1,1876 | 8,9134 | + 0,02 |
| Febr. | 9 | 9,3060 | 0,9453 *n* | 1,1570 *n* | 1,1092 | 9,0383 | + 0,02 |
| | 19 | 9,3602 | 0,9537 *n* | 1,2094 *n* | 0,9968 | 9,1352 | + 0,02 |
| Mart. | 1 | 9,4037 | 0,9601 *n* | 1,2438 *n* | 0,8264 | 9,2144 | + 0,02 |
| | 11 | 9,4401 | 0,9638 *n* | 1,2632 *n* | 0,5180 | 9,2813 | + 0,02 |
| | 21 | 9,4713 | 0,9644 *n* | 1,2690 *n* | 9,2842 *n* | 9,3393 | + 0,01 |
| | 31 | 9,5025 | 0,9617 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,01 |
| Apr. | 10 | 9,5321 | 0,9559 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,01 |
| | 20 | 9,5622 | 0,9476 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,01 |
| | 30 | 9,5933 | 0,9374 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,01 |
| Maj. | 10 | 9,6253 | 0,9264 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,01 |
| | 20 | 9,6579 | 0,9156 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,01 |
| | 30 | 9,6906 | 0,9062 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,02 |
| Jun. | 9 | 9,7226 | 0,8991 *n* | 0,5878 *n* | 1,2969 *n* | 9,6404 | + 0,02 |
| | 19 | 9,7533 | 0,8950 *n* | 9,9096 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| | 29 | 9,7821 | 0,8944 *n* | 0,3551 | 1,3033 *n* | 9,6915 | + 0,02 |
| Jul. | 9 | 9,8086 | 0,8971 *n* | 0,7226 | 1,2882 *n* | 9,7150 | + 0,02 |
| | 19 | 9,8327 | 0,9027 *n* | 0,9112 | 1,2601 *n* | 9,7373 | + 0,03 |
| | 29 | 9,8540 | 0,9103 *n* | 1,0336 | 1,2169 *n* | 9,7585 | + 0,03 |
| Aug. | 8 | 9,8728 | 0,9188 *n* | 1,1193 | 1,1552 *n* | 9,7787 | + 0,03 |
| | 18 | 9,8891 | 0,9272 *n* | 1,1808 | 1,0684 *n* | 9,7980 | + 0,03 |
| | 28 | 9,9033 | 0,9343 *n* | 1,2239 | 0,9434 *n* | 9,8164 | + 0,03 |
| Sept. | 7 | 9,9159 | 0,9393 *n* | 1,2518 | 0,7472 *n* | 9,8342 | + 0,03 |
| | 17 | 9,9272 | 0,9414 *n* | 1,2664 | 0,3462 *n* | 9,8512 | + 0,02 |
| | 27 | 9,9379 | 0,9403 *n* | 1,2682 | 0,0902 | 9,8676 | + 0,02 |
| Oct. | 7 | 9,9485 | 0,9358 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,02 |
| | 17 | 9,9595 | 0,9280 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,02 |
| | 27 | 9,9712 | 0,9176 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,02 |
| Nov. | 6 | 9,9839 | 0,9053 *n* | 1,1322 | 1,1415 | 9,9276 | + 0,02 |
| | 16 | 9,9977 | 0,8924 *n* | 1,0466 | 1,2099 | 9,9414 | + 0,02 |
| | 26 | 0,0124 | 0,8801 *n* | 0,9220 | 1,2574 | 9,9547 | + 0,02 |
| Dec. | 6 | 0,0276 | 0,8698 *n* | 0,7252 | 1,2880 | 9,9677 | + 0,03 |
| | 16 | 0,0431 | 0,8629 *n* | 0,3206 | 1,3038 | 9,9803 | + 0,03 |
| | 26 | 0,0583 | 0,8600 *n* | 0,0783 *n* | 1,3056 | 9,9925 | + 0,03 |
| | 36 | 0,0728 | 0,8614 *n* | 0,6485 *n* | 1,2937 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1766.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,2249 | 0,8604 *n* | 0,5105 *n* | 1,2998 | — ∞ | + 0″,03 |
| 10 | 9,3136 | 0,8642 *n* | 0,8074 *n* | 1,2789 | 8,4362 | + 0,03 |
| 20 | 9,3833 | 0,8711 *n* | 0,9727 *n* | 1,2425 | 8,7373 | + 0,03 |
| 30 | 9,4389 | 0,8799 *n* | 1,0815 *n* | 1,1876 | 8,9134 | + 0,04 |
| Febr. 9 | 9,4835 | 0,8891 *n* | 1,1570 *n* | 1,1092 | 9,0383 | + 0,04 |
| 19 | 9,5198 | 0,8973 *n* | 1,2094 *n* | 0,9968 | 9,1352 | + 0,04 |
| Mart. 1 | 9,5500 | 0,9032 *n* | 1,2438 *n* | 0,8264 | 9,2144 | + 0,04 |
| 11 | 9,5759 | 0,9061 *n* | 1,2632 *n* | 0,5180 | 9,2813 | + 0,03 |
| 21 | 9,5992 | 0,9054 *n* | 1,2690 *n* | 9,2840 *n* | 9,3393 | + 0,03 |
| 31 | 9,6215 | 0,9010 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6438 | 0,8930 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,03 |
| 20 | 9,6669 | 0,8820 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,03 |
| 30 | 9,6912 | 0,8687 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7166 | 0,8543 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,03 |
| 20 | 9,7429 | 0,8400 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,03 |
| 30 | 9,7696 | 0,8272 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,7961 | 0,8171 *n* | 0,5878 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,8219 | 0,8106 *n* | 9,9095 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| 29 | 9,8463 | 0,8082 *n* | 0,3552 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8690 | 0,8100 *n* | 0,7226 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,8898 | 0,8152 *n* | 0,9112 | 1,2601 *n* | 9,7373 | + 0,04 |
| 29 | 9,9083 | 0,8230 *n* | 1,0336 | 1,2169 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9246 | 0,8319 *n* | 1,1193 | 1,1552 *n* | 9,7787 | + 0,04 |
| 18 | 9,9389 | 0,8406 *n* | 1,1808 | 1,0684 *n* | 9,7980 | + 0,04 |
| 28 | 9,9514 | 0,8478 *n* | 1,2239 | 0,9434 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9624 | 0,8525 *n* | 1,2518 | 0,7472 *n* | 9,8342 | + 0,04 |
| 17 | 9,9723 | 0,8537 *n* | 1,2664 | 0,3462 *n* | 9,8512 | + 0,04 |
| 27 | 9,9817 | 0,8509 *n* | 1,2682 | 0,0902 | 9,8676 | + 0,04 |
| Oct. 7 | 9,9911 | 0,8439 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0008 | 0,8329 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,04 |
| 27 | 0,0113 | 0,8185 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0227 | 0,8015 *n* | 1,1322 | 1,1415 | 9,9276 | + 0,04 |
| 16 | 0,0350 | 0,7834 *n* | 1,0466 | 1,2099 | 9,9414 | + 0,04 |
| 26 | 0,0483 | 0,7658 *n* | 0,9221 | 1,2574 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0621 | 0,7508 *n* | 0,7252 | 1,2880 | 9,9677 | + 0,04 |
| 16 | 0,0762 | 0,7399 *n* | 0,3206 | 1,3038 | 9,9803 | + 0,04 |
| 26 | 0,0901 | 0,7344 *n* | 0,0782 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1034 | 0,7345 *n* | 0,6485 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1767.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,4057 | 0,7338 *n* | 0,5105 *n* | 1,2998 | — ∞ | + 0″,05 |
| 10 | 9,4653 | 0,7372 *n* | 0,8074 *n* | 1,2789 | 8,4362 | + 0,05 |
| 20 | 9,5148 | 0,7448 *n* | 0,9727 *n* | 1,2425 | 8,7373 | + 0,05 |
| 30 | 9,5557 | 0,7550 *n* | 1,0815 *n* | 1,1876 | 8,9134 | + 0,05 |
| Febr. 9 | 9,5896 | 0,7656 *n* | 1,1570 *n* | 1,1092 | 9,0383 | + 0,05 |
| 19 | 9,6176 | 0,7749 *n* | 1,2094 *n* | 0,9968 | 9,1352 | + 0,05 |
| Mart. 1 | 9,6412 | 0,7813 *n* | 1,2438 *n* | 0,8264 | 9,2144 | + 0,05 |
| 11 | 9,6617 | 0,7837 *n* | 1,2632 *n* | 0,5180 | 9,2813 | + 0,05 |
| 21 | 9,6804 | 0,7813 *n* | 1,2690 *n* | 9,2839 *n* | 9,3393 | + 0,05 |
| 31 | 9,6984 | 0,7739 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7166 | 0,7616 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| 20 | 9,7356 | 0,7451 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,05 |
| 30 | 9,7559 | 0,7252 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,04 |
| Maj. 10 | 9,7774 | 0,7033 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| 20 | 9,7999 | 0,6812 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| 30 | 9,8229 | 0,6608 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8460 | 0,6440 *n* | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8686 | 0,6324 *n* | 9,9094 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,8903 | 0,6269 *n* | 0,3552 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9105 | 0,6277 *n* | 0,7227 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9290 | 0,6338 *n* | 0,9113 | 1,2601 *n* | 9,7373 | + 0,06 |
| 29 | 9,9456 | 0,6437 *n* | 1,0336 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9602 | 0,6554 *n* | 1,1193 | 1,1552 *n* | 9,7787 | + 0,06 |
| 18 | 9,9731 | 0,6667 *n* | 1,1808 | 1,0684 *n* | 9,7980 | + 0,06 |
| 28 | 9,9843 | 0,6759 *n* | 1,2239 | 0,9434 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 9,9941 | 0,6812 *n* | 1,2519 | 0,7471 *n* | 9,8342 | + 0,06 |
| 17 | 0,0031 | 0,6814 *n* | 1,2664 | 0,3462 *n* | 9,8512 | + 0,05 |
| 27 | 0,0115 | 0,6757 *n* | 1,2682 | 0,0903 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0199 | 0,6637 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0287 | 0,6453 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,05 |
| 27 | 0,0382 | 0,6211 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0486 | 0,5922 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| 16 | 0,0600 | 0,5605 *n* | 1,0466 | 1,2099 | 9,9414 | + 0,05 |
| 26 | 0,0722 | 0,5288 *n* | 0,9221 | 1,2574 | 9,9547 | + 0,05 |
| Dec. 6 | 0,0850 | 0,5003 *n* | 0,7252 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,0981 | 0,4785 *n* | 0,3206 | 1,3038 | 9,9803 | + 0,05 |
| 26 | 0,1110 | 0,4661 *n* | 0,0782 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1234 | 0,4640 *n* | 0,6485 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1768.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,4980 | 0,4636 *n* | 0,5105 *n* | 1,2998 | — ∞ | + 0,06 |
| 11 | 9,5457 | 0,4677 *n* | 0,8074 *n* | 1,2789 | 8,4362 | + 0,06 |
| 21 | 9,5863 | 0,4796 *n* | 0,9727 *n* | 1,2425 | 8,7373 | + 0,06 |
| 31 | 9,6204 | 0,4961 *n* | 1,0815 *n* | 1,1876 | 8,9134 | + 0,06 |
| Febr. 10 | 9,6489 | 0,5133 *n* | 1,1570 *n* | 1,1092 | 9,0383 | + 0,06 |
| 20 | 9,6726 | 0,5280 *n* | 1,2094 *n* | 0,9968 | 9,1352 | + 0,06 |
| Mart. 1 | 9,6927 | 0,5374 *n* | 1,2438 *n* | 0,8264 | 9,2144 | + 0,06 |
| 11 | 9,7102 | 0,5398 *n* | 1,2632 *n* | 0,5180 | 9,2813 | + 0,06 |
| 21 | 9,7263 | 0,5339 *n* | 1,2690 *n* | 9,2838 *n* | 9,3393 | + 0,06 |
| 31 | 9,7418 | 0,5190 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,06 |
| Apr. 10 | 9,7577 | 0,4949 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,06 |
| 20 | 9,7744 | 0,4618 *n* | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,05 |
| 30 | 9,7924 | 0,4207 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,8115 | 0,3732 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| 20 | 9,8318 | 0,3219 *n* | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| 30 | 9,8527 | 0,2709 *n* | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,06 |
| Jun. 9 | 9,8738 | 0,2253 *n* | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,06 |
| 19 | 9,8945 | 0,1909 *n* | 9,9093 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| 29 | 9,9144 | 0,1724 *n* | 0,3552 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. 9 | 9,9331 | 0,1713 *n* | 0,7227 | 1,2882 *n* | 9,7150 | + 0,06 |
| 19 | 9,9502 | 0,1855 *n* | 0,9113 | 1,2601 *n* | 9,7373 | + 0,06 |
| 29 | 9,9656 | 0,2098 *n* | 1,0336 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9792 | 0,2381 *n* | 1,1193 | 1,1552 *n* | 9,7787 | + 0,06 |
| 18 | 9,9911 | 0,2648 *n* | 1,1808 | 1,0684 *n* | 9,7980 | + 0,06 |
| 28 | 0,0014 | 0,2852 *n* | 1,2239 | 0,9434 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 0,0105 | 0,2960 *n* | 1,2519 | 0,7471 *n* | 9,8342 | + 0,06 |
| 17 | 0,0187 | 0,2944 *n* | 1,2664 | 0,3462 *n* | 9,8512 | + 0,06 |
| 27 | 0,0265 | 0,2783 *n* | 1,2682 | 0,0903 | 9,8676 | + 0,06 |
| Oct. 7 | 0,0342 | 0,2454 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,06 |
| 17 | 0,0423 | 0,1929 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,06 |
| 27 | 0,0512 | 0,1175 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,06 |
| Nov. 6 | 0,0609 | 0,0142 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,06 |
| 16 | 0,0716 | 9,8751 *n* | 1,0467 | 1,2099 | 9,9414 | + 0,06 |
| 26 | 0,0832 | 9,6867 *n* | 0,9221 | 1,2574 | 9,9547 | + 0,06 |
| Dec. 6 | 0,0953 | 9,5215 *n* | 0,7252 | 1,2880 | 9,9677 | + 0,06 |
| 16 | 0,1078 | 9,0065 *n* | 0,3207 | 1,3038 | 9,9803 | + 0,06 |
| 26 | 0,1201 | 7,9639 *n* | 0,0781 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1319 | 8,0628 | 0,6484 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1769.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5333 | 8,0738 | 0,5105 *n* | 1,2998 | — ∞ | + 0,06 |
| 10 | 9,5763 | 7,9395 *n* | 0,8073 *n* | 1,2789 | 8,4362 | + 0,06 |
| 20 | 9,6132 | 8,9243 *n* | 0,9727 *n* | 1,2425 | 8,7373 | + 0,07 |
| 30 | 9,6444 | 9,2881 *n* | 1,0815 *n* | 1,1876 | 8,9134 | + 0,07 |
| Febr. 9 | 9,6704 | 9,4980 *n* | 1,1570 *n* | 1,1092 | 9,0383 | + 0,07 |
| 19 | 9,6922 | 9,6242 *n* | 1,2094 *n* | 0,9968 | 9,1352 | + 0,06 |
| Mart. 1 | 9,7106 | 9,6899 *n* | 1,2438 *n* | 0,8264 | 9,2144 | + 0,06 |
| 11 | 9,7266 | 9,7019 *n* | 1,2632 *n* | 0,5181 | 9,2813 | + 0,06 |
| 21 | 9,7413 | 9,6544 *n* | 1,2690 *n* | 9,2837 *n* | 9,3393 | + 0,06 |
| 31 | 9,7555 | 9,5195 *n* | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,06 |
| Apr. 10 | 9,7701 | 9,1690 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,06 |
| 20 | 9,7857 | 8,9337 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,06 |
| 30 | 9,8025 | 9,5460 | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,06 |
| Maj. 10 | 9,8206 | 9,7984 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,06 |
| 20 | 9,8398 | 9,9519 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,06 |
| 30 | 9,8597 | 0,0535 | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,06 |
| Jun. 9 | 9,8799 | 0,1207 | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,06 |
| 19 | 9,8998 | 0,1617 | 9,9092 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| 29 | 9,9189 | 0,1815 | 0,3553 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. 9 | 9,9369 | 0,1832 | 0,7227 | 1,2882 *n* | 9,7150 | + 0,06 |
| 19 | 9,9533 | 0,1696 | 0,9113 | 1,2601 *n* | 9,7373 | + 0,06 |
| 29 | 9,9681 | 0,1434 | 1,0336 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9812 | 0,1084 | 1,1193 | 1,1552 *n* | 9,7787 | + 0,07 |
| 18 | 9,9926 | 0,0702 | 1,1808 | 1,0684 *n* | 9,7980 | + 0,06 |
| 28 | 0,0024 | 0,0366 | 1,2239 | 0,9434 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 0,0111 | 0,0172 | 1,2519 | 0,7471 *n* | 9,8342 | + 0,06 |
| 17 | 0,0188 | 0,0203 | 1,2664 | 0,3462 *n* | 9,8512 | + 0,06 |
| 27 | 0,0262 | 0,0492 | 1,2682 | 0,0903 | 9,8676 | + 0,06 |
| Oct. 7 | 0,0335 | 0,1000 | 1,2572 | 0,6688 | 9,8834 | + 0,06 |
| 17 | 0,0412 | 0,1640 | 1,2324 | 0,9020 | 9,8986 | + 0,06 |
| 27 | 0,0497 | 0,2322 | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0591 | 0,2975 | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| 16 | 0,0694 | 0,3552 | 1,0467 | 1,2099 | 9,9414 | + 0,05 |
| 26 | 0,0807 | 0,4029 | 0,9221 | 1,2574 | 9,9547 | + 0,06 |
| Dec. 6 | 0,0925 | 0,4392 | 0,7252 | 1,2880 | 9,9677 | + 0,06 |
| 16 | 0,1047 | 0,4639 | 0,3207 | 1,3038 | 9,9803 | + 0,06 |
| 26 | 0,1168 | 0,4772 | 0,0780 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1284 | 0,4799 | 0,6484 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1770.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5195 | 0,4800 | 0,5104 *n* | 1,2998 | — ∞ | + 0,06 |
| 10 | 9,5626 | 0,4767 | 0,8073 *n* | 1,2789 | 8,4362 | + 0,06 |
| 20 | 9,5995 | 0,4653 | 0,9727 *n* | 1,2425 | 8,7373 | + 0,06 |
| 30 | 9,6305 | 0,4481 | 1,0815 *n* | 1,1876 | 8,9134 | + 0,06 |
| Febr. 9 | 9,6564 | 0,4285 | 1,1570 *n* | 1,1092 | 9,0383 | + 0,06 |
| 19 | 9,6779 | 0,4104 | 1,2094 *n* | 0,9968 | 9,1352 | + 0,06 |
| Mart. 1 | 9,6960 | 0,3980 | 1,2438 *n* | 0,8264 | 9,2144 | + 0,06 |
| 11 | 9,7117 | 0,3949 | 1,2632 *n* | 0,5181 | 9,2813 | + 0,06 |
| 21 | 9,7260 | 0,4032 | 1,2690 *n* | 9,2835 *n* | 9,3393 | + 0,06 |
| 31 | 9,7400 | 0,4227 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,06 |
| Apr. 10 | 9,7543 | 0,4510 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| 20 | 9,7697 | 0,4848 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,05 |
| 30 | 9,7864 | 0,5204 | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,8044 | 0,5546 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| 20 | 9,8237 | 0,5851 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| 30 | 9,8437 | 0,6103 | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8640 | 0,6293 | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8841 | 0,6418 | 9,9092 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9033 | 0,6478 | 0,3553 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. 9 | 9,9214 | 0,6477 | 0,7227 | 1,2882 *n* | 9,7150 | + 0,06 |
| 19 | 9,9380 | 0,6424 | 0,9113 | 1,2601 *n* | 9,7373 | + 0,06 |
| 29 | 9,9528 | 0,6330 | 1,0336 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9658 | 0,6211 | 1,1193 | 1,1552 *n* | 9,7787 | + 0,06 |
| 18 | 9,9772 | 0,6089 | 1,1808 | 1,0684 *n* | 9,7980 | + 0,06 |
| 28 | 9,9869 | 0,5985 | 1,2239 | 0,9434 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 9,9954 | 0,5923 | 1,2519 | 0,7471 *n* | 9,8342 | + 0,06 |
| 17 | 0,0030 | 0,5922 | 1,2664 | 0,3462 *n* | 9,8512 | + 0,05 |
| 27 | 0,0102 | 0,5991 | 1,2682 | 0,0903 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0174 | 0,6131 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0250 | 0,6328 | 1,2324 | 0,9020 | 9,8986 | + 0,05 |
| 27 | 0,0334 | 0,6562 | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0427 | 0,6811 | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| 16 | 0,0531 | 0,7050 | 1,0467 | 1,2099 | 9,9414 | + 0,05 |
| 26 | 0,0644 | 0,7261 | 0,9221 | 1,2574 | 9,9547 | + 0,05 |
| Dec. 6 | 0,0764 | 0,7429 | 0,7253 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,0886 | 0,7545 | 0,3208 | 1,3038 | 9,9803 | + 0,05 |
| 26 | 0,1008 | 0,7605 | 0,0780 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1125 | 0,7610 | 0,6484 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1771.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,4517 | 0,7614 | 0,5104 *n* | 1,2998 | — ∞ | + 0,05 |
| | 10 | 9,5004 | 0,7588 | 0,8073 *n* | 1,2790 | 8,4362 | + 0,05 |
| | 20 | 9,5416 | 0,7519 | 0,9727 *n* | 1,2425 | 8,7373 | + 0,05 |
| | 30 | 9,5758 | 0,7422 | 1,0815 *n* | 1,1876 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,6040 | 0,7313 | 1,1570 *n* | 1,1092 | 9,0383 | + 0,05 |
| | 19 | 9,6272 | 0,7214 | 1,2094 *n* | 0,9968 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,6466 | 0,7143 | 1,2438 *n* | 0,8264 | 9,2144 | + 0,05 |
| | 11 | 9,6632 | 0,7117 | 1,2632 *n* | 0,5181 | 9,2813 | + 0,05 |
| | 21 | 9,6784 | 0,7146 | 1,2690 *n* | 9,2834 *n* | 9,3393 | + 0,05 |
| | 31 | 9,6931 | 0,7231 | 1,2618 *n* | 0,5630 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,7082 | 0,7364 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,04 |
| | 20 | 9,7245 | 0,7531 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,04 |
| | 30 | 9,7423 | 0,7716 | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,7616 | 0,7901 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,04 |
| | 20 | 9,7821 | 0,8071 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8035 | 0,8214 | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,04 |
| Jun. | 9 | 9,8251 | 0,8322 | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| | 19 | 9,8464 | 0,8391 | 9,9091 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8669 | 0,8419 | 0,3553 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. | 9 | 9,8860 | 0,8409 | 0,7227 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9035 | 0,8364 | 0,9113 | 1,2601 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9191 | 0,8294 | 1,0336 | 1,2169 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9327 | 0,8208 | 1,1194 | 1,1552 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9445 | 0,8120 | 1,1808 | 1,0684 *n* | 9,7980 | + 0,05 |
| | 28 | 9,9546 | 0,8044 | 1,2239 | 0,9434 *n* | 9,8164 | + 0,04 |
| Sept. | 7 | 9,9633 | 0,7993 | 1,2519 | 0,7471 *n* | 9,8342 | + 0,04 |
| | 17 | 9,9711 | 0,7980 | 1,2664 | 0,3461 *n* | 9,8512 | + 0,04 |
| | 27 | 9,9785 | 0,8012 | 1,2682 | 0,0903 | 9,8676 | + 0,04 |
| Oct. | 7 | 9,9858 | 0,8088 | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| | 17 | 9,9936 | 0,8202 | 1,2324 | 0,9020 | 9,8986 | + 0,04 |
| | 27 | 0,0023 | 0,8344 | 1,1919 | 1,0443 | 9,9134 | + 0,03 |
| Nov. | 6 | 0,0120 | 0,8499 | 1,1322 | 1,1414 | 9,9276 | + 0,03 |
| | 16 | 0,0228 | 0,8652 | 1,0467 | 1,2099 | 9,9414 | + 0,03 |
| | 26 | 0,0346 | 0,8788 | 0,9221 | 1,2574 | 9,9547 | + 0,03 |
| Dec. | 6 | 0,0470 | 0,8896 | 0,7253 | 1,2880 | 9,9677 | + 0,03 |
| | 16 | 0,0599 | 0,8968 | 0,3208 | 1,3038 | 9,9803 | + 0,04 |
| | 26 | 0,0726 | 0,9001 | 0,0779 *n* | 1,3056 | 9,9925 | + 0,04 |
| | 36 | 0,0848 | 0,8994 | 0,6484 *n* | 1,2937 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1772.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,3076 | 0,9001 | 0,5104 *n* | 1,2998 | — ∞ | + 0,04 |
| 11 | 9,3721 | 0,8971 | 0,8073 *n* | 1,2790 | 8,4362 | + 0,04 |
| 21 | 9,4258 | 0,8910 | 0,9727 *n* | 1,2425 | 8,7373 | + 0,04 |
| 31 | 9,4689 | 0,8828 | 1,0815 *n* | 1,1877 | 8,9134 | + 0,04 |
| Febr. 10 | 9,5036 | 0,8738 | 1,1570 *n* | 1,1092 | 9,0383 | + 0,04 |
| 20 | 9,5317 | 0,8654 | 1,2094 *n* | 0,9968 | 9,1352 | + 0,04 |
| Mart. 1 | 9,5548 | 0,8591 | 1,2438 *n* | 0,8264 | 9,2144 | + 0,04 |
| 11 | 9,5745 | 0,8559 | 1,2632 *n* | 0,5181 | 9,2813 | + 0,03 |
| 21 | 9,5922 | 0,8567 | 1,2690 *n* | 9,2833 *n* | 9,3393 | + 0,03 |
| 31 | 9,6093 | 0,8616 | 1,2618 *n* | 0,5629 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6269 | 0,8700 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,03 |
| 20 | 9,6458 | 0,8812 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,03 |
| 30 | 9,6664 | 0,8938 | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,6886 | 0,9066 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,03 |
| 20 | 9,7122 | 0,9185 | 0,9825 *n* | 1,2390 *n* | 9,5824 | + 0,02 |
| 30 | 9,7367 | 0,9285 | 0,8343 *n* | 1,2750 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,7613 | 0,9358 | 0,5877 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,7855 | 0,9401 | 9,9090 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8085 | 0,9412 | 0,3554 | 1,3033 *n* | 9,6915 | + 0,03 |
| Jul. 9 | 9,8299 | 0,9392 | 0,7228 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8493 | 0,9345 | 0,9113 | 1,2601 *n* | 9,7373 | + 0,03 |
| 29 | 9,8666 | 0,9276 | 1,0356 | 1,2169 *n* | 9,7585 | + 0,03 |
| Aug. 8 | 9,8816 | 0,9196 | 1,1194 | 1,1552 *n* | 9,7787 | + 0,03 |
| 18 | 9,8945 | 0,9113 | 1,1808 | 1,0684 *n* | 9,7980 | + 0,03 |
| 28 | 9,9055 | 0,9039 | 1,2239 | 0,9434 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9149 | 0,8986 | 1,2519 | 0,7471 *n* | 9,8342 | + 0,03 |
| 17 | 9,9234 | 0,8962 | 1,2664 | 0,3461 *n* | 9,8512 | + 0,02 |
| 27 | 9,9313 | 0,8974 | 1,2682 | 0,0903 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9392 | 0,9021 | 1,2572 | 0,6688 | 9,8834 | + 0,02 |
| 17 | 9,9476 | 0,9101 | 1,2324 | 0,9020 | 9,8986 | + 0,02 |
| 27 | 9,9570 | 0,9204 | 1,1919 | 1,0443 | 9,9134 | + 0,02 |
| Nov. 6 | 9,9675 | 0,9319 | 1,1322 | 1,1414 | 9,9276 | + 0,02 |
| 16 | 9,9792 | 0,9433 | 1,0467 | 1,2099 | 9,9414 | + 0,01 |
| 26 | 9,9919 | 0,9535 | 0,9221 | 1,2574 | 9,9547 | + 0,02 |
| Dec. 6 | 0,0055 | 0,9614 | 0,7253 | 1,2880 | 9,9677 | + 0,02 |
| 16 | 0,0194 | 0,9663 | 0,3208 | 1,3038 | 9,9803 | + 0,02 |
| 26 | 0,0331 | 0,9679 | 0,0778 *n* | 1,3056 | 9,9925 | + 0,02 |
| 36 | 0,0463 | 0,9661 | 0,6484 *n* | 1,2937 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1773.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. $\tau$ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,0003 | 0,9671 | 0,5104 *n* | 1,2998 | — ∞ | + 0,02 |
| 10 | 9,1220 | 0,9634 | 0,8073 *n* | 1,2790 | 8,4362 | + 0,02 |
| 20 | 9,2112 | 0,9569 | 0,9726 *n* | 1,2425 | 8,7373 | + 0,02 |
| 30 | 9,2787 | 0,9486 | 1,0815 *n* | 1,1877 | 8,9134 | + 0,02 |
| Febr. 9 | 9,3305 | 0,9395 | 1,1570 *n* | 1,1092 | 9,0383 | + 0,02 |
| 19 | 9,3709 | 0,9310 | 1,2094 *n* | 0,9968 | 9,1352 | + 0,02 |
| Mart. 1 | 9,4033 | 0,9242 | 1,2438 *n* | 0,8264 | 9,2144 | + 0,02 |
| 11 | 9,4302 | 0,9201 | 1,2632 *n* | 0,5181 | 9,2813 | + 0,01 |
| 21 | 9,4541 | 0,9194 | 1,2690 *n* | 9,2832 *n* | 9,3393 | + 0,01 |
| 31 | 9,4768 | 0,9222 | 1,2618 *n* | 0,5629 *n* | 9,3905 | + 0,01 |
| Apr. 10 | 9,5000 | 0,9282 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,01 |
| 20 | 9,5247 | 0,9366 | 1,2068 *n* | 1,0046 *n* | 9,4776 | + 0,01 |
| 30 | 9,5512 | 0,9464 | 1,1556 *n* | 1,1112 *n* | 9,5154 | 0,00 |
| Maj. 10 | 9,5796 | 0,9564 | 1,0836 *n* | 1,1861 *n* | 9,5502 | 0,00 |
| 20 | 9,6093 | 0,9658 | 0,9825 *n* | 1,2390 *n* | 9,5824 | 0,00 |
| 30 | 9,6398 | 0,9734 | 0,8342 *n* | 1,2750 *n* | 9,6123 | + 0,01 |
| Jun. 9 | 9,6701 | 0,9788 | 0,5876 *n* | 1,2969 *n* | 9,6404 | + 0,01 |
| 19 | 9,6994 | 0,9815 | 9,9089 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| 29 | 9,7270 | 0,9812 | 0,3554 | 1,3033 *n* | 9,6915 | + 0,01 |
| Jul. 9 | 9,7525 | 0.9781 | 0,7228 | 1,2882 *n* | 9,7150 | + 0,01 |
| 19 | 9,7754 | 0,9725 | 0,9113 | 1,2601 *n* | 9,7373 | + 0,01 |
| 29 | 9,7956 | 0,9650 | 1,0336 | 1,2169 *n* | 9,7585 | + 0,01 |
| Aug. 8 | 9,8130 | 0,9562 | 1,1194 | 1,1552 *n* | 9,7787 | + 0,01 |
| 18 | 9,8279 | 0,9473 | 1,1808 | 1,0684 *n* | 9,7980 | + 0,01 |
| 28 | 9,8406 | 0,9391 | 1,2239 | 0,9433 *n* | 9,8164 | + 0,01 |
| Sept. 7 | 9,8514 | 0,9328 | 1,2519 | 0,7471 *n* | 9,8342 | + 0,01 |
| 17 | 9,8610 | 0,9291 | 1,2664 | 0,3461 *n* | 9,8512 | 0,00 |
| 27 | 9,8700 | 0,9288 | 1,2682 | 0,0903 | 9,8676 | 0,00 |
| Oct. 7 | 9,8790 | 0,9318 | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| 17 | 9,8885 | 0,9378 | 1,2324 | 0,9020 | 9,8986 | 0,00 |
| 27 | 9,8991 | 0,9460 | 1,1919 | 1,0443 | 9,9134 | — 0,01 |
| Nov. 6 | 9,9110 | 0,9555 | 1,1322 | 1,1414 | 9,9276 | — 0,01 |
| 16 | 9,9242 | 0,9650 | 1,0467 | 1,2099 | 9,9414 | — 0,01 |
| 26 | 9,9386 | 0,9733 | 0,9221 | 1,2574 | 9,9547 | — 0,01 |
| Dec. 6 | 9,9538 | 0,9796 | 0,7253 | 1,2880 | 9,9677 | — 0,01 |
| 16 | 9,9693 | 0,9830 | 0,3209 | 1,3038 | 9,9803 | 0,00 |
| 26 | 9,9847 | 0,9833 | 0,0778 *n* | 1,3056 | 9,9925 | 0,00 |
| 36 | 9,9993 | 0,9802 | 0,6484 *n* | 1,2937 | 0,0044 | 0,00 |

# Tabula VIII.

## 1774.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 8,1425 *n* | 0,9817 | 0,5103 *n* | 1,2998 | — ∞ | 0,00 |
| 10 | 8,2641 | 0,9768 | 0,8073 *n* | 1,2790 | 8,4362 | 0,00 |
| 20 | 8,6856 | 0,9692 | 0,9726 *n* | 1,2425 | 8,7373 | 0,00 |
| 30 | 8,8792 | 0,9597 | 1,0815 *n* | 1,1877 | 8,9134 | 0,00 |
| Febr. 9 | 8,9988 | 0,9495 | 1,1570 *n* | 1,1092 | 9,0383 | 0,00 |
| 19 | 9,0812 | 0,9397 | 1,2094 *n* | 0,9968 | 9,1352 | 0,00 |
| Mart. 1 | 9,1419 | 0,9316 | 1,2438 *n* | 0,8264 | 9,2144 | 0,00 |
| 11 | 9,1897 | 0,9261 | 1,2632 *n* | 0,5181 | 9,2813 | — 0,01 |
| 21 | 9,2303 | 0,9239 | 1,2690 *n* | 9,2831 *n* | 9,3393 | — 0,01 |
| 31 | 9,2677 | 0,9252 | 1,2618 *n* | 0,5629 *n* | 9,3905 | — 0,01 |
| Apr. 10 | 9,3047 | 0,9297 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,01 |
| 20 | 9,3427 | 0,9366 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,01 |
| 30 | 9,3824 | 0,9449 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,02 |
| Maj. 10 | 9,4237 | 0,9537 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,02 |
| 20 | 9,4657 | 0,9617 | 0,9825 *n* | 1,2390 *n* | 9,5824 | — 0,02 |
| 30 | 9,5076 | 0,9681 | 0,8342 *n* | 1,2750 *n* | 9,6123 | — 0,02 |
| Jun. 9 | 9,5482 | 0,9722 | 0,5876 *n* | 1,2969 *n* | 9,6404 | — 0,02 |
| 19 | 9,5867 | 0,9736 | 9,9088 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| 29 | 9,6223 | 0,9720 | 0,3554 | 1,3033 *n* | 9,6915 | — 0,01 |
| Jul. 9 | 9,6545 | 0,9675 | 0,7228 | 1,2882 *n* | 9,7150 | — 0,01 |
| 19 | 9,6831 | 0,9603 | 0,9113 | 1,2601 *n* | 9,7373 | — 0,01 |
| 29 | 9,7080 | 0,9512 | 1,0336 | 1,2169 *n* | 9,7585 | — 0,01 |
| Aug. 8 | 9,7294 | 0,9407 | 1,1194 | 1,1552 *n* | 9,7787 | — 0,01 |
| 18 | 9,7474 | 0,9300 | 1,1808 | 1,0684 *n* | 9,7980 | — 0,01 |
| 28 | 9,7627 | 0,9200 | 1,2239 | 0,9433 *n* | 9,8164 | — 0,01 |
| Sept. 7 | 9,7757 | 0,9118 | 1,2519 | 0,7471 *n* | 9,8342 | — 0,02 |
| 17 | 9,7873 | 0,9065 | 1,2664 | 0,3461 *n* | 9,8512 | — 0,02 |
| 27 | 9,7980 | 0,9045 | 1,2682 | 0,0903 | 9,8676 | — 0,02 |
| Oct. 7 | 9,8087 | 0,9062 | 1,2572 | 0,6688 | 9,8834 | — 0,02 |
| 17 | 9,8200 | 0,9110 | 1,2324 | 0,9020 | 9,8986 | — 0,02 |
| 27 | 9,8325 | 0,9183 | 1,1919 | 1,0443 | 9,9134 | — 0,02 |
| Nov. 6 | 9,8464 | 0,9270 | 1,1322 | 1,1414 | 9,9276 | — 0,03 |
| 16 | 9,8619 | 0,9357 | 1,0467 | 1,2099 | 9,9414 | — 0,03 |
| 26 | 9,8786 | 0,9432 | 0,9221 | 1,2574 | 9,9547 | — 0,03 |
| Dec. 6 | 9,8961 | 0,9485 | 0,7253 | 1,2880 | 9,9677 | — 0,03 |
| 16 | 9,9139 | 0,9509 | 0,3209 | 1,3038 | 9,9803 | — 0,02 |
| 26 | 9,9315 | 0,9498 | 0,0777 *n* | 1,3056 | 9,9925 | — 0,02 |
| 36 | 9,9481 | 0,9451 | 0,6483 *n* | 1,2937 | 0,0044 | — 0,02 |

# Tabula VIII.

## 1775.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,0971 *n* | 0,9473 | 0,5103 *n* | 1,2998 | — ∞ | —″0,02 |
| | 10 | 8,9663 *n* | 0,9405 | 0,8073 *n* | 1,2790 | 8,4362 | —0,02 |
| | 20 | 8,7934 *n* | 0,9308 | 0,9726 *n* | 1,2425 | 8,7373 | —0,02 |
| | 30 | 8,5394 *n* | 0,9190 | 1,0815 *n* | 1,1877 | 8,9134 | —0,02 |
| Febr. | 9 | 8,0135 *n* | 0,9062 | 1,1570 *n* | 1,1092 | 9,0383 | —0,02 |
| | 19 | 8,0340 | 0,8939 | 1,2094 *n* | 0,9969 | 9,1352 | —0,02 |
| Mart. | 1 | 8,4659 | 0,8833 | 1,2438 *n* | 0,8264 | 9,2144 | —0,02 |
| | 11 | 8,6599 | 0,8756 | 1,2632 *n* | 0,5181 | 9,2813 | —0,03 |
| | 21 | 8,7868 | 0,8715 | 1,2690 *n* | 9,2829 *n* | 9,3393 | —0,03 |
| | 31 | 8,8856 | 0,8714 | 1,2618 *n* | 0,5629 *n* | 9,3905 | —0,03 |
| Apr. | 10 | 8,9714 | 0,8749 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,03 |
| | 20 | 9,0510 | 0,8811 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,03 |
| | 30 | 9,1268 | 0,8891 | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,04 |
| Maj. | 10 | 9,1996 | 0,8976 | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,04 |
| | 20 | 9,2689 | 0,9052 | 0,9824 *n* | 1,2390 *n* | 9,5824 | —0,04 |
| | 30 | 9,3338 | 0,9111 | 0,8342 *n* | 1,2750 *n* | 9,6123 | —0,03 |
| Jun. | 9 | 9,3939 | 0,9144 | 0,5876 *n* | 1,2969 *n* | 9,6404 | —0,03 |
| | 19 | 9,4484 | 0,9145 | 9,9087 *n* | 1,3061 *n* | 9,6667 | —0,03 |
| | 29 | 9,4973 | 0,9113 | 0,3555 | 1,3033 *n* | 9,6915 | —0,03 |
| Jul. | 9 | 9,5403 | 0,9047 | 0,7228 | 1,2882 *n* | 9,7150 | —0,03 |
| | 19 | 9,5777 | 0,8950 | 0,9113 | 1,2601 *n* | 9,7373 | —0,03 |
| | 29 | 9,6097 | 0,8829 | 1,0336 | 1,2169 *n* | 9,7585 | —0,03 |
| Aug. | 8 | 9,6367 | 0,8691 | 1,1194 | 1,1552 *n* | 9,7787 | —0,03 |
| | 18 | 9,6594 | 0,8548 | 1,1808 | 1,0684 *n* | 9,7980 | —0,03 |
| | 28 | 9,6785 | 0,8413 | 1,2239 | 0,9433 *n* | 9,8164 | —0,03 |
| Sept. | 7 | 9,6947 | 0,8299 | 1,2519 | 0,7471 *n* | 9,8342 | —0,03 |
| | 17 | 9,7090 | 0,8218 | 1,2664 | 0,3461 *n* | 9,8512 | —0,04 |
| | 27 | 9,7222 | 0,8177 | 1,2682 | 0,0904 | 9,8676 | —0,04 |
| Oct. | 7 | 9,7354 | 0,8181 | 1,2572 | 0,6688 | 9,8834 | —0,04 |
| | 17 | 9,7492 | 0,8224 | 1,2324 | 0,9020 | 9,8986 | —0,04 |
| | 27 | 9,7642 | 0,8297 | 1,1919 | 1,0443 | 9,9134 | —0,04 |
| Nov. | 6 | 9,7809 | 0,8387 | 1,1322 | 1,1414 | 9,9276 | —0,04 |
| | 16 | 9,7992 | 0,8479 | 1,0467 | 1,2099 | 9,9414 | —0,04 |
| | 26 | 9,8188 | 0,8556 | 0,9221 | 1,2574 | 9,9547 | —0,04 |
| Dec. | 6 | 9,8392 | 0,8607 | 0,7253 | 1,2880 | 9,9677 | —0,04 |
| | 16 | 9,8599 | 0,8621 | 0,3209 | 1,3038 | 9,9803 | —0,04 |
| | 26 | 9,8800 | 0,8593 | 0,0776 *n* | 1,3056 | 9,9925 | —0,04 |
| | 36 | 9,8990 | 0,8521 | 0,6483 *n* | 1,2937 | 0,0044 | —0,04 |

# Tabula VIII.

## 1776.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,3427 *n* | 0,8553 | 0,5103 *n* | 1,2998 | — ∞ | — 0,04 |
| 11 | 9,2719 *n* | 0,8454 | 0,8073 *n* | 1,2790 | 8,4362 | — 0,04 |
| 21 | 9,1932 *n* | 0,8318 | 0,9726 *n* | 1,2425 | 8,7373 | — 0,04 |
| 31 | 9,1067 *n* | 0,8154 | 1,0815 *n* | 1,1877 | 8,9134 | — 0,04 |
| Febr. 10 | 9,0125 *n* | 0,7976 | 1,1570 *n* | 1,1092 | 9,0383 | — 0,04 |
| 20 | 8,9093 *n* | 0,7800 | 1,2094 *n* | 0,9969 | 9,1352 | — 0,04 |
| Mart. 1 | 8,7930 *n* | 0,7644 | 1,2438 *n* | 0,8265 | 9,2144 | — 0,04 |
| 11 | 8,6528 *n* | 0,7525 | 1,2632 *n* | 0,5181 | 9,2813 | — 0,04 |
| 21 | 8,4591 *n* | 0,7453 | 1,2690 *n* | 9,2828 *n* | 9,3393 | — 0,04 |
| 31 | 8,0959 *n* | 0,7434 | 1,2618 *n* | 0,5629 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 7,6994 | 0,7464 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,05 |
| 20 | 8,3893 | 0,7531 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,05 |
| 30 | 8,6690 | 0,7622 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 8,8561 | 0,7718 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,05 |
| 20 | 8,9995 | 0,7805 | 0,9824 *n* | 1,2390 *n* | 9,5824 | — 0,05 |
| 30 | 9,1159 | 0,7868 | 0,8342 *n* | 1,2750 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,2129 | 0,7897 | 0,5876 *n* | 1,2969 *n* | 9,6404 | — 0,05 |
| 19 | 9,2948 | 0,7884 | 9,9086 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,3642 | 0,7826 | 0,3555 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,4229 | 0,7722 | 0,7228 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,4724 | 0,7575 | 0,9113 | 1,2601 *n* | 9,7373 | — 0,04 |
| 29 | 9,5138 | 0,7391 | 1,0336 | 1,2169 *n* | 9,7585 | — 0,04 |
| Aug. 8 | 9,5482 | 0,7182 | 1,1194 | 1,1552 *n* | 9,7787 | — 0,04 |
| 18 | 9,5768 | 0,6961 | 1,1808 | 1,0684 *n* | 9,7980 | — 0,05 |
| 28 | 9,6006 | 0,6747 | 1,2239 | 0,9433 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,6207 | 0,6560 | 1,2519 | 0,7471 *n* | 9,8342 | — 0,05 |
| 17 | 9,6384 | 0,6419 | 1,2664 | 0,3461 *n* | 9,8512 | — 0,05 |
| 27 | 9,6547 | 0,6339 | 1,2682 | 0,0904 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6708 | 0,6325 | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6875 | 0,6373 | 1,2324 | 0,9020 | 9,8986 | — 0,05 |
| 27 | 9,7055 | 0,6467 | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. 6 | 9,7252 | 0,6586 | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| 16 | 9,7466 | 0,6707 | 1,0467 | 1,2099 | 9,9414 | — 0,06 |
| 26 | 9,7693 | 0,6806 | 0,9221 | 1,2574 | 9,9547 | — 0,06 |
| Dec. 6 | 9,7927 | 0,6866 | 0,7253 | 1,2880 | 9,9677 | — 0,05 |
| 16 | 9,8162 | 0,6872 | 0,3210 | 1,3038 | 9,9803 | — 0,05 |
| 26 | 9,8389 | 0,6815 | 0,0776 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8603 | 0,6690 | 0,6483 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1777.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,4595 *n* | 0,6745 | 0,5103 *n* | 1,2998 | — ∞ | —″0,05 |
| | 10 | 9,4049 *n* | 0,6579 | 0,8073 *n* | 1,2790 | 8,4362 | —0,05 |
| | 20 | 9,3467 *n* | 0,6350 | 0,9726 *n* | 1,2425 | 8,7373 | —0,05 |
| | 30 | 9,2859 *n* | 0,6072 | 1,0815 *n* | 1,1877 | 8,9134 | —0,05 |
| Febr. | 9 | 9,2236 *n* | 0,5762 | 1,1570 *n* | 1,1092 | 9,0383 | —0,05 |
| | 19 | 9,1604 *n* | 0,5446 | 1,2094 *n* | 0,9969 | 9,1352 | —0,05 |
| Mart. | 1 | 9,0959 *n* | 0,5154 | 1,2438 *n* | 0,8265 | 9,2144 | —0,05 |
| | 11 | 9,0282 *n* | 0,4919 | 1,2632 *n* | 0,5182 | 9,2813 | —0,05 |
| | 21 | 8,9524 *n* | 0,4766 | 1,2690 *n* | 9,2827 *n* | 9,3393 | —0,05 |
| | 31 | 8,8598 *n* | 0,4709 | 1,2618 *n* | 0,5629 *n* | 9,3905 | —0,06 |
| Apr. | 10 | 8,7326 *n* | 0,4743 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,06 |
| | 20 | 8,5263 *n* | 0,4848 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,06 |
| | 30 | 8,0214 *n* | 0,4995 | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,06 |
| Maj. | 10 | 8,1918 | 0,5151 | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,06 |
| | 20 | 8,6490 | 0,5289 | 0,9824 *n* | 1,2390 *n* | 9,5824 | —0,06 |
| | 30 | 8,8819 | 0,5384 | 0,8342 *n* | 1,2750 *n* | 9,6123 | —0,06 |
| Jun. | 9 | 9,0407 | 0,5419 | 0,5876 *n* | 1,2969 *n* | 9,6404 | —0,06 |
| | 19 | 9,1604 | 0,5380 | 9,9085 *n* | 1,3061 *n* | 9,6667 | —0,06 |
| | 29 | 9,2547 | 0,5260 | 0,3555 | 1,3033 *n* | 9,6915 | —0,06 |
| Jul. | 9 | 9,3308 | 0,5053 | 0,7228 | 1,2882 *n* | 9,7150 | —0,05 |
| | 19 | 9,3929 | 0,4759 | 0,9113 | 1,2601 *n* | 9,7373 | —0,05 |
| | 29 | 9,4436 | 0,4382 | 1,0336 | 1,2169 *n* | 9,7585 | —0,05 |
| Aug. | 8 | 9,4849 | 0,3932 | 1,1194 | 1,1552 *n* | 9,7787 | —0,05 |
| | 18 | 9,5193 | 0,3429 | 1,1808 | 1,0684 *n* | 9,7980 | —0,05 |
| | 28 | 9,5476 | 0,2905 | 1,2239 | 0,9433 *n* | 9,8164 | —0,05 |
| Sept. | 7 | 9,5714 | 0,2410 | 1,2519 | 0,7471 *n* | 9,8342 | —0,06 |
| | 17 | 9,5923 | 0,2005 | 1,2664 | 0,3461 *n* | 9,8512 | —0,06 |
| | 27 | 9,6114 | 0,1750 | 1,2682 | 0,0904 | 9,8676 | —0,06 |
| Oct. | 7 | 9,6301 | 0,1680 | 1,2572 | 0,6688 | 9,8834 | —0,06 |
| | 17 | 9,6494 | 0,1788 | 1,2324 | 0,9020 | 9,8986 | —0,06 |
| | 27 | 9,6700 | 0,2026 | 1,1919 | 1,0443 | 9,9134 | —0,06 |
| Nov. | 6 | 9,6922 | 0,2326 | 1,1322 | 1,1414 | 9,9276 | —0,06 |
| | 16 | 9,7160 | 0,2619 | 1,0467 | 1,2099 | 9,9414 | —0,06 |
| | 26 | 9,7411 | 0,2851 | 0,9221 | 1,2574 | 9,9547 | —0,06 |
| Dec. | 6 | 9,7668 | 0,2979 | 0,7254 | 1,2880 | 9,9677 | —0,06 |
| | 16 | 9,7924 | 0,2975 | 0,3210 | 1,3038 | 9,9803 | —0,06 |
| | 26 | 9,8170 | 0,2814 | 0,0775 *n* | 1,3056 | 9,9925 | —0,06 |
| | 36 | 9,8401 | 0,2474 | 0,6483 *n* | 1,2937 | 0,0044 | —0,06 |

# Tabula VIII.

## 1778.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,5070 *n* | 0,2624 | 0,5102 *n* | 1,2998 | — ∞ | — 0,06 |
| | 10 | 9,4569 *n* | 0,2161 | 0,8072 *n* | 1,2790 | 8,4362 | — 0,06 |
| | 20 | 9,4039 *n* | 0,1475 | 0,9726 *n* | 1,2425 | 8,7373 | — 0,06 |
| | 30 | 9,3491 *n* | 0,0528 | 1,0814 *n* | 1,1877 | 8,9134 | — 0,06 |
| Febr. | 9 | 9,2935 *n* | 9,9260 | 1,1570 *n* | 1,1092 | 9,0383 | — 0,06 |
| | 19 | 9,2378 *n* | 9,7572 | 1,2094 *n* | 0,9969 | 9,1352 | — 0,06 |
| Mart. | 1 | 9,1816 *n* | 9,5284 | 1,2438 *n* | 0,8265 | 9,2144 | — 0,06 |
| | 11 | 9,1234 *n* | 9,2001 | 1,2632 *n* | 0,5182 | 9,2813 | — 0,06 |
| | 21 | 9,0598 *n* | 8,6541 | 1,2690 *n* | 9,2826 *n* | 9,3393 | — 0,06 |
| | 31 | 8,8947 *n* | 5,0993 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | — 0,06 |
| Apr. | 10 | 8,8871 *n* | 8,2460 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| | 20 | 8,7456 *n* | 8,9316 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,06 |
| | 30 | 8,4985 *n* | 9,2685 | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,06 |
| Maj. | 10 | 7,6511 *n* | 9,4729 | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,06 |
| | 20 | 8,4078 | 9,6000 | 0,9824 *n* | 1,2390 *n* | 9,5824 | — 0,06 |
| | 30 | 8,7652 | 9,6708 | 0,8342 *n* | 1,2750 *n* | 9,6123 | — 0,06 |
| Jun. | 9 | 8,9680 | 9,6921 | 0,5876 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| | 19 | 9,1098 | 9,6604 | 9,9084 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| | 29 | 9,2172 | 9,5561 | 0,3556 | 1,3033 *n* | 9,6915 | — 0,06 |
| Jul. | 9 | 9,3018 | 9,3026 | 0,7228 | 1,2882 *n* | 9,7150 | — 0,06 |
| | 19 | 9,3697 | 8,0613 *n* | 0,9114 | 1,2601 *n* | 9,7373 | — 0,06 |
| | 29 | 9,4248 | 9,4199 *n* | 1,0336 | 1,2169 *n* | 9,7585 | — 0,06 |
| Aug. | 8 | 9,4697 | 9,7287 *n* | 1,1194 | 1,1552 *n* | 9,7787 | — 0,05 |
| | 18 | 9,5064 | 9,9075 *n* | 1,1808 | 1,0684 *n* | 9,7980 | — 0,05 |
| | 28 | 9,5368 | 0,0254 *n* | 1,2239 | 0,9433 *n* | 9,8164 | — 0,06 |
| Sept. | 7 | 9,5625 | 0,1045 *n* | 1,2519 | 0,7471 *n* | 9,8342 | — 0,06 |
| | 17 | 9,5849 | 0,1549 *n* | 1,2664 | 0,3460 *n* | 9,8512 | — 0,06 |
| | 27 | 9,6055 | 0,1819 *n* | 1,2682 | 0,0904 | 9,8676 | — 0,06 |
| Oct. | 7 | 9,6255 | 0,1889 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,06 |
| | 17 | 9,6460 | 0,1786 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,06 |
| | 27 | 9,6677 | 0,1534 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. | 6 | 9,6909 | 0,1172 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| | 16 | 9,7157 | 0,0756 *n* | 1,0467 | 1,2099 | 9,9414 | — 0,06 |
| | 26 | 9,7416 | 0,0373 *n* | 0,9221 | 1,2574 | 9,9547 | — 0,06 |
| Dec. | 6 | 9,7681 | 0,0133 *n* | 0,7254 | 1,2880 | 9,9677 | — 0,06 |
| | 16 | 9,7943 | 0,0137 *n* | 0,3211 | 1,3038 | 9,9803 | — 0,06 |
| | 26 | 9,8195 | 0,0426 *n* | 0,0774 *n* | 1,3056 | 9,9925 | — 0,06 |
| | 36 | 9,8431 | 0,0953 *n* | 0,6483 *n* | 1,2937 | 0,0044 | — 0,06 |

# Tabula VIII.

## 1779.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5010 *n* | 0,0733 *n* | 0,5102 *n* | 1,2998 | — ∞ | — 0,06 |
| 10 | 9,4485 *n* | 0,1360 *n* | 0,8072 *n* | 1,2790 | 8,4362 | — 0,05 |
| 20 | 9,3927 *n* | 0,2057 *n* | 0,9726 *n* | 1,2425 | 8,7373 | — 0,05 |
| 30 | 9,3343 *n* | 0,2739 *n* | 1,0814 *n* | 1,1877 | 8,9134 | — 0,05 |
| Febr. 9 | 9,2743 *n* | 0,3350 *n* | 1,1570 *n* | 1,1093 | 9,0383 | — 0,05 |
| 19 | 9,2131 *n* | 0,3859 *n* | 1,2094 *n* | 0,9969 | 9,1352 | — 0,05 |
| Mart. 1 | 9,1503 *n* | 0,4253 *n* | 1,2438 *n* | 0,8265 | 9,2144 | — 0,05 |
| 11 | 9,0838 *n* | 0,4531 *n* | 1,2632 *n* | 0,5182 | 9,2813 | — 0,06 |
| 21 | 9,0093 *n* | 0,4696 *n* | 1,2690 *n* | 9,2825 *n* | 9,3393 | — 0,06 |
| 31 | 8,9185 *n* | 0,4757 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | — 0,06 |
| Apr. 10 | 8,7957 *n* | 0,4725 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| 20 | 8,6022 *n* | 0,4619 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,06 |
| 30 | 8,1727 *n* | 0,4459 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,06 |
| Maj. 10 | 8,1210 | 0,4275 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,06 |
| 20 | 8,6460 | 0,4099 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | — 0,06 |
| 30 | 8,8917 | 0,3969 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | — 0,06 |
| Jun. 9 | 9,0554 | 0,3918 *n* | 0,5875 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| 19 | 9,1775 | 0,3969 *n* | 9,9083 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| 29 | 9,2732 | 0,4126 *n* | 0,3556 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3504 | 0,4376 *n* | 0,7229 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,4133 | 0,4691 *n* | 0,9114 | 1,2601 *n* | 9,7373 | — 0,05 |
| 29 | 9,4648 | 0,5037 *n* | 1,0336 | 1,2169 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,5073 | 0,5385 *n* | 1,1194 | 1,1552 *n* | 9,7787 | — 0,05 |
| 18 | 9,5423 | 0,5706 *n* | 1,1808 | 1,0684 *n* | 9,7980 | — 0,05 |
| 28 | 9,5715 | 0,5983 *n* | 1,2239 | 0,9433 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5963 | 0,6201 *n* | 1,2519 | 0,7471 *n* | 9,8342 | — 0,05 |
| 17 | 9,6182 | 0,6353 *n* | 1,2664 | 0,3460 *n* | 9,8512 | — 0,05 |
| 27 | 9,6382 | 0,6437 *n* | 1,2682 | 0,0904 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6577 | 0,6453 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,06 |
| 17 | 9,6777 | 0,6408 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,06 |
| 27 | 9,6987 | 0,6314 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. 6 | 9,7212 | 0,6188 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| 16 | 9,7451 | 0,6051 *n* | 1,0467 | 1,2099 | 9,9414 | — 0,06 |
| 26 | 9,7701 | 0,5931 *n* | 0,9221 | 1,2574 | 9,9547 | — 0,06 |
| Dec. 6 | 9,7955 | 0,5854 *n* | 0,7254 | 1,2880 | 9,9677 | — 0,05 |
| 16 | 9,8208 | 0,5844 *n* | 0,3211 | 1,3033 | 9,9803 | — 0,05 |
| 26 | 9,8452 | 0,5912 *n* | 0,0774 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8680 | 0,6057 *n* | 0,6483 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1780.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,4412 *n* | 0,5994 *n* | 0,5102 *n* | 1,2998 | — ∞ | —0″,05 |
| 11 | 9,3788 *n* | 0,6180 *n* | 0,8072 *n* | 1,2790 | 8,4362 | —0,05 |
| 21 | 9,3104 *n* | 0,6412 *n* | 0,9726 *n* | 1,2425 | 8,7373 | —0,05 |
| 31 | 9,2365 *n* | 0,6664 *n* | 1,0814 *n* | 1,1877 | 8,9134 | —0,05 |
| Febr. 10 | 9,1571 *n* | 0,6912 *n* | 1,1570 *n* | 1,1093 | 9,0383 | —0,04 |
| 20 | 9,0718 *n* | 0,7134 *n* | 1,2094 *n* | 0,9969 | 9,1352 | —0,05 |
| Mart. 1 | 8,9780 *n* | 0,7314 *n* | 1,2438 *n* | 0,8265 | 9,2144 | —0,05 |
| 11 | 8,8697 *n* | 0,7445 *n* | 1,2632 *n* | 0,5182 | 9,2813 | —0,05 |
| 21 | 8,7329 *n* | 0,7520 *n* | 1,2690 *n* | 9,2823 *n* | 9,3393 | —0,05 |
| 31 | 8,5303 *n* | 0,7543 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | —0,05 |
| Apr. 10 | 8,1000 *n* | 0,7517 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,05 |
| 20 | 8,0320 | 0,7451 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,05 |
| 30 | 8,5657 | 0,7358 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,05 |
| Maj. 10 | 8,8180 | 0,7254 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,05 |
| 20 | 8,9898 | 0,7155 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | —0,05 |
| 30 | 9,1213 | 0,7080 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | —0,05 |
| Jun. 9 | 9,2273 | 0,7043 *n* | 0,5875 *n* | 1,2969 *n* | 9,6404 | —0,05 |
| 19 | 9,3149 | 0,7056 *n* | 9,9082 *n* | 1,3061 *n* | 9,6667 | —0,05 |
| 29 | 9,3882 | 0,7122 *n* | 0,3556 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. 9 | 9,4499 | 0,7237 *n* | 0,7229 | 1,2882 *n* | 9,7150 | —0,04 |
| 19 | 9,5018 | 0,7391 *n* | 0,9114 | 1,2601 *n* | 9,7373 | —0,04 |
| 29 | 9,5454 | 0,7570 *n* | 1,0336 | 1,2169 *n* | 9,7585 | —0,04 |
| Aug. 8 | 9,5819 | 0,7756 *n* | 1,1194 | 1,1551 *n* | 9,7787 | —0,04 |
| 18 | 9,6124 | 0,7934 *n* | 1,1808 | 1,0684 *n* | 9,7980 | —0,04 |
| 28 | 9,6383 | 0,8092 *n* | 1,2239 | 0,9433 *n* | 9,8164 | —0,04 |
| Sept. 7 | 9,6604 | 0,8217 *n* | 1,2519 | 0,7471 *n* | 9,8342 | —0,04 |
| 17 | 9,6800 | 0,8303 *n* | 1,2664 | 0,3460 *n* | 9,8512 | —0,04 |
| 27 | 9,6982 | 0,8346 *n* | 1,2682 | 0,0904 | 9,8676 | —0,04 |
| Oct. 7 | 9,7159 | 0,8346 *n* | 1,2572 | 0,6688 | 9,8834 | —0,04 |
| 17 | 9,7340 | 0,8307 *n* | 1,2324 | 0,9020 | 9,8986 | —0,04 |
| 27 | 9,7532 | 0,8236 *n* | 1,1919 | 1,0443 | 9,9134 | —0,04 |
| Nov. 6 | 9,7736 | 0,8144 *n* | 1,1322 | 1,1414 | 9,9276 | —0,04 |
| 16 | 9,7954 | 0,8046 *n* | 1,0467 | 1,2099 | 9,9414 | —0,04 |
| 26 | 9,8182 | 0,7958 *n* | 0,9222 | 1,2574 | 9,9547 | —0,04 |
| Dec. 6 | 9,8416 | 0,7898 *n* | 0,7254 | 1,2880 | 9,9677 | —0,04 |
| 16 | 9,8648 | 0,7880 *n* | 0,3211 | 1,3038 | 9,9803 | —0,04 |
| 26 | 9,8873 | 0,7910 *n* | 0,0773 *n* | 1,3056 | 9,9925 | —0,04 |
| 36 | 9,9085 | 0,7989 *n* | 0,6482 *n* | 1,2937 | 0,0044 | —0,04 |

# Tabula VIII.

## 1781.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,3104 *n* | 0,7954 *n* | 0,5102 *n* | 1,2998 | — ∞ | — 0,04 |
| 10 | 9,2218 *n* | 0,8061 *n* | 0,8072 *n* | 1,2790 | 8,4362 | — 0,03 |
| 20 | 9,1175 *n* | 0,8201 *n* | 0,9726 *n* | 1,2425 | 8,7373 | — 0,03 |
| 30 | 8,9927 *n* | 0,8358 *n* | 1,0814 *n* | 1,1877 | 8,9134 | — 0,03 |
| Febr. 9 | 8,8379 *n* | 0,8516 *n* | 1,1570 *n* | 1,1093 | 9,0383 | — 0,03 |
| 19 | 8,6283 *n* | 0,8659 *n* | 1,2094 *n* | 0,9969 | 9,1352 | — 0,03 |
| Mart. 1 | 8,2758 *n* | 0,8776 *n* | 1,2438 *n* | 0,8265 | 9,2144 | — 0,03 |
| 11 | 7,4474 | 0,8859 *n* | 1,2632 *n* | 0,5182 | 9,2813 | — 0,03 |
| 21 | 8,3715 | 0,8903 *n* | 1,2690 *n* | 9,2822 *n* | 9,3393 | — 0,03 |
| 31 | 8,6471 | 0,8909 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | — 0,04 |
| Apr. 10 | 8,8220 | 0,8879 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,04 |
| 20 | 8,8564 | 0,8820 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,04 |
| 30 | 9,0685 | 0,8741 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | — 0,04 |
| Maj. 10 | 9,1666 | 0,8653 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | — 0,04 |
| 20 | 9,2536 | 0,8570 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | — 0,04 |
| 30 | 9,3315 | 0,8503 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | — 0,03 |
| Jun. 9 | 9,4009 | 0,8464 *n* | 0,5875 *n* | 1,2969 *n* | 9,6404 | — 0,03 |
| 19 | 9,4625 | 0,8460 *n* | 9,9081 *n* | 1,3061 *n* | 9,6667 | — 0,03 |
| 29 | 9,5168 | 0,8496 *n* | 0,3557 | 1,3033 *n* | 9,6915 | — 0,03 |
| Jul. 9 | 9,5642 | 0,8567 *n* | 0,7229 | 1,2882 *n* | 9,7150 | — 0,03 |
| 19 | 9,6053 | 0,8669 *n* | 0,9114 | 1,2601 *n* | 9,7373 | — 0,03 |
| 29 | 9,6406 | 0,8790 *n* | 1,0336 | 1,2169 *n* | 9,7585 | — 0,02 |
| Aug. 8 | 9,6707 | 0,8920 *n* | 1,1194 | 1,1551 *n* | 9,7787 | — 0,02 |
| 18 | 9,6963 | 0,9045 *n* | 1,1808 | 1,0684 *n* | 9,7980 | — 0,02 |
| 28 | 9,7181 | 0,9156 *n* | 1,2239 | 0,9433 *n* | 9,8164 | — 0,02 |
| Sept. 7 | 9,7371 | 0,9243 *n* | 1,2519 | 0,7470 *n* | 9,8342 | — 0,02 |
| 17 | 9,7541 | 0,9300 *n* | 1,2664 | 0,3460 *n* | 9,8512 | — 0,03 |
| 27 | 9,7699 | 0,9324 *n* | 1,2682 | 0,0904 | 9,8676 | — 0,03 |
| Oct. 7 | 9,7853 | 0,9312 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,03 |
| 17 | 9,8012 | 0,9269 *n* | 1,2324 | 0,9020 | 9,8986 | — 0,03 |
| 27 | 9,8180 | 0,9201 *n* | 1,1919 | 1,0443 | 9,9134 | — 0,03 |
| Nov. 6 | 9,8360 | 0,9115 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,03 |
| 16 | 9,8553 | 0,9025 *n* | 1,0467 | 1,2099 | 9,9414 | — 0,03 |
| 26 | 9,8755 | 0,8942 *n* | 0,9222 | 1,2574 | 9,9547 | — 0,03 |
| Dec. 6 | 9,8963 | 0,8882 *n* | 0,7254 | 1,2880 | 9,9677 | — 0,02 |
| 16 | 9,9171 | 0,8854 *n* | 0,3212 | 1,3038 | 9,9803 | — 0,02 |
| 26 | 9,9374 | 0,8865 *n* | 0,0772 *n* | 1,3056 | 9,9925 | — 0,02 |
| 36 | 9,9566 | 0,8916 *n* | 0,6482 *n* | 1,2937 | 0,0044 | — 0,02 |

# Tabula VIII.

## 1782.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,0404 *n* | 0,8892 *n* | 0,5101 *n* | 1,2998 | — ∞ | —0″,02 |
| 10 | 8,8547 *n* | 0,8966 *n* | 0,8072 *n* | 1,2790 | 8,4362 | —0,02 |
| 20 | 8,5501 *n* | 0,9067 *n* | 0,9726 *n* | 1,2425 | 8,7373 | —0,02 |
| 30 | 7,3606 *n* | 0,9184 *n* | 1,0814 *n* | 1,1877 | 8,9134 | —0,01 |
| Febr. 9 | 8,4421 | 0,9303 *n* | 1,1570 *n* | 1,1093 | 9,0383 | —0,01 |
| 19 | 8,7362 | 0,9411 *n* | 1,2094 *n* | 0,9969 | 9,1352 | —0,01 |
| Mart. 1 | 8,8951 | 0,9498 *n* | 1,2438 *n* | 0,8265 | 9,2144 | —0,01 |
| 11 | 9,0028 | 0,9556 *n* | 1,2632 *n* | 0,5182 | 9,2813 | —0,02 |
| 21 | 9,0857 | 0,9583 *n* | 1,2690 *n* | 9,2821 *n* | 9,3393 | —0,02 |
| 31 | 9,1556 | 0,9576 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | —0,02 |
| Apr. 10 | 9,2188 | 0,9538 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,02 |
| 20 | 9,2786 | 0,9476 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,02 |
| 30 | 9,3365 | 0,9396 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | —0,02 |
| Maj. 10 | 9,3928 | 0,9308 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | —0,02 |
| 20 | 9,4472 | 0,9223 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | —0,02 |
| 30 | 9,4991 | 0,9153 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | —0,02 |
| Jun. 9 | 9,5479 | 0,9106 *n* | 0,5875 *n* | 1,2969 *n* | 9,6404 | —0,01 |
| 19 | 9,5931 | 0,9090 *n* | 9,9080 *n* | 1,3061 *n* | 9,6667 | —0,01 |
| 29 | 9,6343 | 0,9107 *n* | 0,3557 | 1,3033 *n* | 9,6915 | —0,01 |
| Jul. 9 | 9,6713 | 0,9156 *n* | 0,7229 | 1,2882 *n* | 9,7150 | —0,01 |
| 19 | 9,7040 | 0,9232 *n* | 0,9114 | 1,2601 *n* | 9,7373 | —0,01 |
| 29 | 9,7326 | 0,9326 *n* | 1,0337 | 1,2169 *n* | 9,7585 | —0,01 |
| Aug. 8 | 9,7574 | 0,9428 *n* | 1,1194 | 1,1551 *n* | 9,7787 | 0,00 |
| 18 | 9,7786 | 0,9528 *n* | 1,1808 | 1,0683 *n* | 9,7980 | 0,00 |
| 28 | 9,7970 | 0,9615 *n* | 1,2239 | 0,9433 *n* | 9,8164 | 0,00 |
| Sept. 7 | 9,8131 | 0,9682 *n* | 1,2519 | 0,7470 *n* | 9,8342 | —0,01 |
| 17 | 9,8276 | 0,9721 *n* | 1,2664 | 0,3460 *n* | 9,8512 | —0,01 |
| 27 | 9,8411 | 0,9730 *n* | 1,2682 | 0,0905 | 9,8676 | —0,01 |
| Oct. 7 | 9,8544 | 0,9708 *n* | 1,2572 | 0,6688 | 9,8834 | —0,01 |
| 17 | 9,8681 | 0,9657 *n* | 1,2324 | 0,9020 | 9,8986 | —0,01 |
| 27 | 9,8827 | 0,9582 *n* | 1,1919 | 1,0443 | 9,9134 | —0,01 |
| Nov. 6 | 9,8984 | 0,9491 *n* | 1,1322 | 1,1414 | 9,9276 | —0,01 |
| 16 | 9,9153 | 0,9395 *n* | 1,0467 | 1,2099 | 9,9414 | —0,01 |
| 26 | 9,9331 | 0,9306 *n* | 0,9222 | 1,2574 | 9,9547 | —0,01 |
| Dec. 6 | 9,9515 | 0,9237 *n* | 0,7254 | 1,2880 | 9,9677 | —0,01 |
| 16 | 9,9700 | 0,9198 *n* | 0,3212 | 1,3038 | 9,9803 | 0,00 |
| 26 | 9,9880 | 0,9194 *n* | 0,0772 *n* | 1,3056 | 9,9925 | 0,00 |
| 36 | 0,0052 | 0,9228 *n* | 0,6482 *n* | 1,2937 | 0,0044 | 0,00 |

# Tabula VIII.

## 1783.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 7,4172 *n* | 0,9211 *n* | 0,5101 *n* | 1,2998 | — ∞ | 0,00 |
| | 10 | 8,5536 | 0,9266 *n* | 0,8072 *n* | 1,2790 | 8,4362 | 0,00 |
| | 20 | 8,8574 | 0,9347 *n* | 0,9726 *n* | 1,2425 | 8,7373 | 0,00 |
| | 30 | 9,0228 | 0,9444 *n* | 1,0814 *n* | 1,1877 | 8,9134 | 0,00 |
| Febr. | 9 | 9,1320 | 0,9543 *n* | 1,1570 *n* | 1,1093 | 9,0383 | 0,00 |
| | 19 | 9,2107 | 0,9633 *n* | 1,2094 *n* | 0,9969 | 9,1352 | 0,00 |
| Mart. | 1 | 9,2711 | 0,9704 *n* | 1,2438 *n* | 0,8265 | 9,2144 | 0,00 |
| | 11 | 9,3200 | 0,9747 *n* | 1,2632 *n* | 0,5182 | 9,2813 | 0,00 |
| | 21 | 9,3621 | 0,9760 *n* | 1,2690 *n* | 9,2820 *n* | 9,3393 | 0,00 |
| | 31 | 9,4007 | 0,9741 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | 0,00 |
| Apr. | 10 | 9,4379 | 0,9693 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | 0,00 |
| | 20 | 9,4752 | 0,9620 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | 0,00 |
| | 30 | 9,5130 | 0,9530 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | 0,00 |
| Maj. | 10 | 9,5514 | 0,9431 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | 0,00 |
| | 20 | 9,5899 | 0,9336 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | 0,00 |
| | 30 | 9,6280 | 0,9254 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | 0,00 |
| Jun. | 9 | 9,6649 | 0,9194 *n* | 0,5875 *n* | 1,2969 *n* | 9,6404 | 0,00 |
| | 19 | 9,6999 | 0,9164 *n* | 9,9079 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| | 29 | 9,7324 | 0,9167 *n* | 0,3557 | 1,3033 *n* | 9,6915 | + 0,01 |
| Jul. | 9 | 9,7622 | 0,9201 *n* | 0,7229 | 1,2882 *n* | 9,7150 | + 0,01 |
| | 19 | 9,7889 | 0,9262 *n* | 0,9114 | 1,2601 *n* | 9,7373 | + 0,01 |
| | 29 | 9,8126 | 0,9342 *n* | 1,0337 | 1,2169 *n* | 9,7585 | + 0,01 |
| Aug. | 8 | 9,8333 | 0,9431 *n* | 1,1194 | 1,1551 *n* | 9,7787 | + 0,01 |
| | 18 | 9,8512 | 0,9518 *n* | 1,1808 | 1,0683 *n* | 9,7980 | + 0,01 |
| | 28 | 9,8668 | 0,9592 *n* | 1,2239 | 0,9433 *n* | 9,8164 | + 0,01 |
| Sept. | 7 | 9,8805 | 0,9647 *n* | 1,2519 | 0,7470 *n* | 9,8342 | + 0,01 |
| | 17 | 9,8929 | 0,9674 *n* | 1,2664 | 0,3460 *n* | 9,8512 | + 0,01 |
| | 27 | 9,9046 | 0,9671 *n* | 1,2682 | 0,0905 | 9,8676 | + 0,01 |
| Oct. | 7 | 9,9161 | 0,9636 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| | 17 | 9,9280 | 0,9571 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,01 |
| | 27 | 9,9407 | 0,9481 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,01 |
| Nov. | 6 | 9,9544 | 0,9375 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,01 |
| | 16 | 9,9692 | 0,9263 *n* | 1,0467 | 1,2099 | 9,9414 | + 0,01 |
| | 26 | 9,9850 | 0,9157 *n* | 0,9222 | 1,2574 | 9,9547 | + 0,01 |
| Dec. | 6 | 0,0013 | 0,9071 *n* | 0,7254 | 1,2880 | 9,9677 | + 0,01 |
| | 16 | 0,0177 | 0,9016 *n* | 0,3212 | 1,3038 | 9,9803 | + 0,01 |
| | 26 | 0,0339 | 0,8998 *n* | 0,0771 *n* | 1,3056 | 9,9925 | + 0,02 |
| | 36 | 0,0493 | 0,9019 *n* | 0,6482 *n* | 1,2937 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1784.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,0243 | 0,9006 *n* | 0,5101 *n* | 1,2998 | — ∞ | + 0″,02 |
| 11 | 9,1584 | 0,9049 *n* | 0,8072 *n* | 1,2790 | 8,4362 | + 0,02 |
| 21 | 9,2556 | 0,9121 *n* | 0,9726 *n* | 1,2425 | 8,7373 | + 0,02 |
| 31 | 9,3291 | 0,9209 *n* | 1,0814 *n* | 1,1877 | 8,9134 | + 0,02 |
| Febr. 10 | 9,3862 | 0,9300 *n* | 1,1570 *n* | 1,1093 | 9,0383 | + 0,02 |
| 20 | 9,4315 | 0,9382 *n* | 1,2094 *n* | 0,9969 | 9,1352 | + 0,02 |
| Mart. 1 | 9,4686 | 0,9444 *n* | 1,2438 *n* | 0,8265 | 9,2144 | + 0,02 |
| 11 | 9,5000 | 0,9477 *n* | 1,2632 *n* | 0,5182 | 9,2813 | + 0,02 |
| 21 | 9,5280 | 0,9478 *n* | 1,2690 *n* | 9,2819 *n* | 9,3393 | + 0,02 |
| 31 | 9,5545 | 0,9445 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | + 0,02 |
| Apr. 10 | 9,5807 | 0,9380 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,02 |
| 20 | 9,6076 | 0,9288 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,02 |
| 30 | 9,6356 | 0,9177 *n* | 1,1556 *n* | 1,1112 *n* | 9,5154 | + 0,02 |
| Maj. 10 | 9,6646 | 0,9057 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,02 |
| 20 | 9,6944 | 0,8938 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | + 0,02 |
| 30 | 9,7244 | 0,8833 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | + 0,02 |
| Jun. 9 | 9,7540 | 0,8752 *n* | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,02 |
| 19 | 9,7825 | 0,8704 *n* | 9,9078 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| 29 | 9,8094 | 0,8692 *n* | 0,3558 | 1,3033 *n* | 9,6915 | + 0,03 |
| Jul. 9 | 9,8343 | 0,8715 *n* | 0,7229 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8569 | 0,8769 *n* | 0,9114 | 1,2601 *n* | 9,7373 | + 0,03 |
| 29 | 9,8770 | 0,8844 *n* | 1,0337 | 1,2169 *n* | 9,7585 | + 0,03 |
| Aug. 8 | 9,8948 | 0,8929 *n* | 1,1194 | 1,1551 *n* | 9,7787 | + 0,03 |
| 18 | 9,9102 | 0,9013 *n* | 1,1808 | 1,0683 *n* | 9,7980 | + 0,03 |
| 28 | 9,9237 | 0,9083 *n* | 1,2239 | 0,9433 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9356 | 0,9130 *n* | 1,2519 | 0,7470 *n* | 9,8342 | + 0,03 |
| 17 | 9,9463 | 0,9148 *n* | 1,2664 | 0,3460 *n* | 9,8512 | + 0,03 |
| 27 | 9,9565 | 0,9131 *n* | 1,2682 | 0,0905 | 9,8676 | + 0,03 |
| Oct. 7 | 9,9666 | 0,9078 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| 17 | 9,9770 | 0,8991 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,03 |
| 27 | 9,9882 | 0,8874 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0004 | 0,8737 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,03 |
| 16 | 0,0136 | 0,8592 *n* | 1,0467 | 1,2099 | 9,9414 | + 0,03 |
| 26 | 0,0276 | 0,8454 *n* | 0,9222 | 1,2574 | 9,9547 | + 0,03 |
| Dec. 6 | 0,0432 | 0,8337 *n* | 0,7254 | 1,2880 | 9,9677 | + 0,03 |
| 16 | 0,0571 | 0,8255 *n* | 0,3213 | 1,3038 | 9,9803 | + 0,03 |
| 26 | 0,0718 | 0,8218 *n* | 0,0770 *n* | 1,3056 | 9,9925 | + 0,03 |
| 36 | 0,0858 | 0,8227 *n* | 0,6482 *n* | 1,2937 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1785.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan, 0 | 9,3096 | 0,8218 *n* | 0,5101 *n* | 1,2998 | — ∞ | + 0,04 |
| 10 | 9,3835 | 0,8254 *n* | 0,8072 *n* | 1,2790 | 8,4362 | + 0,04 |
| 20 | 9,4432 | 0,8325 *n* | 0,9726 *n* | 1,2425 | 8,7373 | + 0,04 |
| 30 | 9,4917 | 0,8415 *n* | 1,0814 *n* | 1,1877 | 8,9134 | + 0,04 |
| Febr. 9 | 9,5312 | 0,8510 *n* | 1,1570 *n* | 1,1093 | 9,0383 | + 0,04 |
| 19 | 9,5636 | 0,8594 *n* | 1,2094 *n* | 0,9969 | 9,1352 | + 0,04 |
| Mart. 1 | 9,5907 | 0,8654 *n* | 1,2438 *n* | 0,8265 | 9,2144 | + 0,04 |
| 11 | 9,6141 | 0,8680 *n* | 1,2632 *n* | 0,5182 | 9,2813 | + 0,04 |
| 21 | 9,6353 | 0,8668 *n* | 1,2690 *n* | 9,2817 *n* | 9,3393 | + 0,04 |
| 31 | 9,6557 | 0,8614 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | + 0,04 |
| Apr. 10 | 9,6761 | 0,8521 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,04 |
| 20 | 9,6974 | 0,8394 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,03 |
| 30 | 9,7198 | 0,8242 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7435 | 0,8077 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,04 |
| 20 | 9,7681 | 0,7912 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | + 0,04 |
| 30 | 9,7932 | 0,7762 *n* | 0,8342 *n* | 1,2750 *n* | 9,6123 | + 0,04 |
| Jun. 9 | 9,8182 | 0,7642 *n* | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| 19 | 9,8425 | 0,7563 *n* | 9,9078 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| 29 | 9,8657 | 0,7530 *n* | 0,3558 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8873 | 0,7544 *n* | 0,7230 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,9071 | 0,7598 *n* | 0,9114 | 1,2601 *n* | 9,7373 | + 0,05 |
| 29 | 9,9248 | 0,7680 *n* | 1,0337 | 1,2169 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9404 | 0,7775 *n* | 1,1194 | 1,1551 *n* | 9,7787 | + 0,05 |
| 18 | 9,9540 | 0,7868 *n* | 1,1808 | 1,0683 *n* | 9,7980 | + 0,05 |
| 28 | 9,9660 | 0,7945 *n* | 1,2239 | 0,9433 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 9,9765 | 0,7992 *n* | 1,2519 | 0,7470 *n* | 9,8342 | + 0,05 |
| 17 | 9,9860 | 0,8001 *n* | 1,2664 | 0,3459 *n* | 9,8512 | + 0,05 |
| 27 | 9,9950 | 0,7964 *n* | 1,2682 | 0,0905 | 9,8676 | + 0,04 |
| Oct. 7 | 0,0039 | 0,7880 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0133 | 0,7749 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,04 |
| 27 | 0,0233 | 0,7578 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0343 | 0,7376 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,04 |
| 16 | 0,0462 | 0,7160 *n* | 1,0467 | 1,2099 | 9,9414 | + 0,04 |
| 26 | 0,0590 | 0,6949 *n* | 0,9222 | 1,2574 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0724 | 0,6764 *n* | 0,7255 | 1,2880 | 9,9677 | + 0,04 |
| 16 | 0,0861 | 0,6628 *n* | 0,3213 | 1,3038 | 9,9803 | + 0,05 |
| 26 | 0,0995 | 0,6556 *n* | 0,0770 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1125 | 0,6550 *n* | 0,6481 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1786.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4494 | 0,6545 *n* | 0,5100 *n* | 1,2998 | — ∞ | + 0,05 |
| 10 | 9,5032 | 0,6579 *n* | 0,8072 *n* | 1,2790 | 8,4362 | + 0,05 |
| 20 | 9,5484 | 0,6664 *n* | 0,9726 *n* | 1,2425 | 8,7373 | + 0,05 |
| 30 | 9,5861 | 0,6779 *n* | 1,0814 *n* | 1,1877 | 8,9134 | + 0,05 |
| Febr. 9 | 9,6174 | 0,6900 *n* | 1,1570 *n* | 1,1093 | 9,0333 | + 0,05 |
| 19 | 9,6434 | 0,7006 *n* | 1,2094 *n* | 0,9969 | 9,1352 | + 0,05 |
| Mart. 1 | 9,6654 | 0,7076 *n* | 1,2438 *n* | 0,8265 | 9,2144 | + 0,05 |
| 11 | 9,6845 | 0,7099 *n* | 1,2632 *n* | 0,5183 | 9,2813 | + 0,05 |
| 21 | 9,7020 | 0,7065 *n* | 1,2690 *n* | 9,2816 *n* | 9,3393 | + 0,05 |
| 31 | 9,7189 | 0,6972 *n* | 1,2618 *n* | 0,5629 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7360 | 0,6820 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| 20 | 9,7540 | 0,6614 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| 30 | 9,7732 | 0,6366 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,7937 | 0,6090 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| 20 | 9,8151 | 0,5807 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| 30 | 9,8372 | 0,5541 *n* | 0,8341 *n* | 1,2750 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8594 | 0,5318 *n* | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8811 | 0,5160 *n* | 9,9077 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9020 | 0,5081 *n* | 0,3558 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9215 | 0,5085 *n* | 0,7230 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9393 | 0,5158 *n* | 0,9114 | 1,2601 *n* | 9,7373 | + 0,06 |
| 29 | 9,9554 | 0,5231 *n* | 1,0337 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9696 | 0,5426 *n* | 1,1194 | 1,1551 *n* | 9,7787 | + 0,06 |
| 18 | 9,9820 | 0,5567 *n* | 1,1808 | 1,0683 *n* | 9,7980 | + 0,06 |
| 28 | 9,9928 | 0,5678 *n* | 1,2239 | 0,9433 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 0,0023 | 0,5741 *n* | 1,1519 | 0,7470 *n* | 9,8342 | + 0,06 |
| 17 | 0,0109 | 0,5738 *n* | 1,2664 | 0,3459 *n* | 9,8512 | + 0,05 |
| 27 | 0,0191 | 0,5660 *n* | 1,2682 | 0,0905 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0272 | 0,5499 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0357 | 0,5252 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,05 |
| 27 | 0,0449 | 0,4924 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0550 | 0,4524 *n* | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| 16 | 0,0661 | 0,4074 *n* | 1,0467 | 1,2099 | 9,9414 | + 0,05 |
| 26 | 0,0780 | 0,3607 *n* | 0,9222 | 1,2574 | 9,9547 | + 0,05 |
| Dec. 6 | 0,0905 | 0,3173 *n* | 0,7255 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,1033 | 0,2827 *n* | 0,3214 | 1,3038 | 9,9803 | + 0,05 |
| 26 | 0,1160 | 0,2620 *n* | 0,0769 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1281 | 0,2579 *n* | 0,6431 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1787.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5177 | 0,2575 *n* | 0,5100 *n* | 1,2998 | — ∞ | + 0″,06 |
| | 10 | 9,5630 | 0,2631 *n* | 0,8071 *n* | 1,2790 | 8,4362 | + 0,06 |
| | 20 | 9,6017 | 0,2813 *n* | 0,9726 *n* | 1,2425 | 8,7373 | + 0,06 |
| | 30 | 9,6343 | 0,3062 *n* | 1,0814 *n* | 1,1877 | 8,9134 | + 0,06 |
| Febr. | 9 | 9,6615 | 0,3319 *n* | 1,1570 *n* | 1,1093 | 9,0383 | + 0,06 |
| | 19 | 9,6842 | 0,3534 *n* | 1,2094 *n* | 0,9969 | 9,1352 | + 0,06 |
| Mart. | 1 | 9,7035 | 0,3669 *n* | 1,2438 *n* | 0,8265 | 9,2144 | + 0,06 |
| | 11 | 9,7203 | 0,3699 *n* | 1,2632 *n* | 0,5183 | 9,2813 | + 0,06 |
| | 21 | 9,7357 | 0,3605 *n* | 1,2690 *n* | 9,2815 *n* | 9,3393 | + 0,06 |
| | 31 | 9,7506 | 0,3374 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,06 |
| Apr. | 10 | 9,7658 | 0,2996 *n* | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| | 20 | 9,7820 | 0,2459 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| | 30 | 9,7994 | 0,1753 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. | 10 | 9,8180 | 0,0869 *n* | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| | 20 | 9,8377 | 9,9805 *n* | 0,9824 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| | 30 | 9,8581 | 9,8580 *n* | 0,8341 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8787 | 9,7267 *n* | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,06 |
| | 19 | 9,8990 | 9,6052 *n* | 9,9076 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| | 29 | 9,9185 | 9,5262 *n* | 0,3559 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. | 9 | 9,9368 | 9,5188 *n* | 0,7230 | 1,2882 *n* | 9,7150 | + 0,06 |
| | 19 | 9,9536 | 9,5770 *n* | 0,9114 | 1,2601 *n* | 9,7373 | + 0,06 |
| | 29 | 9,9687 | 9,6666 *n* | 1,0337 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. | 8 | 9,9820 | 9,7571 *n* | 1,1194 | 1,1551 *n* | 9,7787 | + 0,06 |
| | 18 | 9,9936 | 9,8322 *n* | 1,1808 | 1,0683 *n* | 9,7980 | + 0,06 |
| | 28 | 0,0037 | 9,8845 *n* | 1,2239 | 0,9433 *n* | 9,8164 | + 0,06 |
| Sept. | 7 | 0,0126 | 9,9103 *n* | 1,2519 | 0,7470 *n* | 9,8342 | + 0,06 |
| | 17 | 0,0206 | 9,9058 *n* | 1,2664 | 0,3459 *n* | 9,8512 | + 0,06 |
| | 27 | 0,0282 | 9,8645 *n* | 1,2682 | 0,0905 | 9,8676 | + 0,06 |
| Oct. | 7 | 0,0357 | 9,7724 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,06 |
| | 17 | 0,0437 | 9,5921 *n* | 1,2324 | 0,9020 | 9,8986 | + 0,06 |
| | 27 | 0,0523 | 9,1506 *n* | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. | 6 | 0,0619 | 9,1363 | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| | 16 | 0,0724 | 9,6239 | 1,0467 | 1,2099 | 9,9414 | + 0,05 |
| | 26 | 0,0838 | 9,8359 | 0,9222 | 1,2574 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0958 | 9,9581 | 0,7255 | 1,2880 | 9,9677 | + 0,06 |
| | 16 | 0,1081 | 0,0298 | 0,3214 | 1,3038 | 9,9803 | + 0,06 |
| | 26 | 0,1203 | 0,0659 | 0,0768 *n* | 1,3056 | 9,9925 | + 0,06 |
| | 36 | 0,1320 | 0,0737 | 0,6481 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1788.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 1 | 9,5338 | 0,0737 | 0,5100 *n* | 1,2998 | — ∞ | + 0″,06 |
| | 11 | 9,5763 | 0,0662 | 0,8071 *n* | 1,2790 | 8,4362 | + 0,06 |
| | 21 | 9,6128 | 0,0373 | 0,9725 *n* | 1,2425 | 8,7373 | + 0,06 |
| | 31 | 9,6436 | 9,9910 | 1,0814 *n* | 1,1877 | 8,9134 | + 0,06 |
| Febr. | 10 | 9,6693 | 9,9338 | 1,1570 *n* | 1,1093 | 9,0383 | + 0,06 |
| | 20 | 9,6908 | 9,8764 | 1,2094 *n* | 0,9969 | 9,1352 | + 0,06 |
| Mart. | 1 | 9,7089 | 9,8345 | 1,2438 *n* | 0,8265 | 9,2144 | + 0,06 |
| | 11 | 9,7246 | 9,8255 | 1,2632 *n* | 0,5183 | 9,2813 | + 0,06 |
| | 21 | 9,7390 | 9,8578 | 1,2690 *n* | 9,2814 *n* | 9,3393 | + 0,06 |
| | 31 | 9,7530 | 9,9246 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,06 |
| Apr. | 10 | 9,7674 | 0,0099 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,06 |
| | 20 | 9,7828 | 0,0989 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| | 30 | 9,7994 | 0,1820 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. | 10 | 9,8174 | 0,2545 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| | 20 | 9,8365 | 0,3143 | 0,9824 *n* | 1,2390 *n* | 9,5824 | + 0,05 |
| | 30 | 9,8563 | 0,3612 | 0,8341 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8764 | 0,3953 | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| | 19 | 9,8962 | 0,4173 | 9,9075 *n* | 1,3061 *n* | 9,6667 | + 0,06 |
| | 29 | 9,9153 | 0,4281 | 0,3559 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. | 9 | 9,9332 | 0,4288 | 0,7230 | 1,2882 *n* | 9,7150 | + 0,06 |
| | 19 | 9,9496 | 0,4209 | 0,9114 | 1,2601 *n* | 9,7373 | + 0,06 |
| | 29 | 9,9644 | 0,4061 | 1,0337 | 1,2169 *n* | 9,7585 | + 0,06 |
| Aug. | 8 | 9,9774 | 0,3870 | 1,1194 | 1,1551 *n* | 9,7787 | + 0,06 |
| | 18 | 9,9886 | 0,3669 | 1,1808 | 1,0683 *n* | 9,7980 | + 0,06 |
| | 28 | 9,9984 | 0,3499 | 1,2239 | 0,9433 *n* | 9,8164 | + 0,06 |
| Sept. | 7 | 0,0069 | 0,3401 | 1,2519 | 0,7470 *n* | 9,8342 | + 0,06 |
| | 17 | 0,0146 | 0,3412 | 1,2664 | 0,3459 *n* | 9,8512 | + 0,06 |
| | 27 | 0,0219 | 0,3547 | 1,2682 | 0,0905 | 9,8676 | + 0,06 |
| Oct. | 7 | 0,0291 | 0,3802 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| | 17 | 0,0368 | 0,4145 | 1,2324 | 0,9020 | 9,8986 | + 0,05 |
| | 27 | 0,0451 | 0,4537 | 1,1919 | 1,0443 | 9,9134 | + 0,05 |
| Nov. | 6 | 0,0545 | 0,4936 | 1,1322 | 1,1414 | 9,9276 | + 0,05 |
| | 16 | 0,0648 | 0,5309 | 1,0467 | 1,2099 | 9,9414 | + 0,05 |
| | 26 | 0,0760 | 0,5629 | 0,9222 | 1,2574 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0879 | 0,5880 | 0,7255 | 1,2880 | 9,9677 | + 0,05 |
| | 16 | 0,1000 | 0,6054 | 0,3214 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1121 | 0,6147 | 0,0763 *n* | 1,3056 | 9,9925 | + 0,05 |
| | 36 | 0,1237 | 0,6163 | 0,6481 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1789.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5003 | 0,6165 | 0,5100 *n* | 1,2993 | — ∞ | + 0″,05 |
| | 10 | 9,5449 | 0,6137 | 0,8071 *n* | 1,2790 | 8,4362 | + 0,06 |
| | 20 | 9,5828 | 0,6050 | 0,9725 *n* | 1,2425 | 8,7373 | + 0,06 |
| | 30 | 9,6146 | 0,5923 | 1,0814 *n* | 1,1877 | 8,9134 | + 0,06 |
| Febr. | 9 | 9,6411 | 0,5778 | 1,1570 *n* | 1,1093 | 9,0383 | + 0,06 |
| | 19 | 9,6630 | 0,5646 | 1,2094 *n* | 0,9969 | 9,1352 | + 0,06 |
| Mart. | 1 | 9,6813 | 0,5555 | 1,2438 *n* | 0,8265 | 9,2144 | + 0,05 |
| | 11 | 9,6972 | 0,5528 | 1,2632 *n* | 0,5183 | 9,2813 | + 0,05 |
| | 21 | 9,7117 | 0,5581 | 1,2690 *n* | 9,2812 *n* | 9,3393 | + 0,05 |
| | 31 | 9,7258 | 0,5713 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,05 |
| Apr. | 10 | 9,7403 | 0,5912 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,05 |
| | 20 | 9,7559 | 0,6154 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| | 30 | 9,7728 | 0,6416 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. | 10 | 9,7912 | 0,6673 | 1,0836 *n* | 1,1861 *n* | 9,5502 | + 0,05 |
| | 20 | 9,8108 | 0,6906 | 0,9824 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| | 30 | 9,8311 | 0,7101 | 0,8341 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8518 | 0,7249 | 0,5874 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| | 19 | 9,8722 | 0,7345 | 9,9074 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| | 29 | 9,8918 | 0,7389 | 0,3560 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9101 | 0,7385 | 0,7230 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9269 | 0,7337 | 0,9115 | 1,2601 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9420 | 0,7256 | 1,0337 | 1,2169 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9551 | 0,7156 | 1,1194 | 1,1551 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9666 | 0,7054 | 1,1808 | 1,0683 *n* | 9,7980 | + 0,05 |
| | 28 | 9,9764 | 0,6966 | 1,2239 | 0,9433 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 9,9849 | 0,6912 | 1,2519 | 0,7470 *n* | 9,8342 | + 0,05 |
| | 17 | 9,9926 | 0,6905 | 1,2664 | 0,3459 *n* | 9,8512 | + 0,05 |
| | 27 | 9,9998 | 0,6956 | 1,2682 | 0,0905 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0070 | 0,7062 | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| | 17 | 0,0147 | 0,7217 | 1,2324 | 0,9020 | 9,8986 | + 0,04 |
| | 27 | 0,0231 | 0,7404 | 1,1919 | 1,0443 | 9,9134 | + 0,04 |
| Nov. | 6 | 0,0325 | 0,7605 | 1,1322 | 1,1414 | 9,9276 | + 0,04 |
| | 16 | 0,0430 | 0,7801 | 1,0467 | 1,2099 | 9,9414 | + 0,04 |
| | 26 | 0,0544 | 0,7974 | 0,9222 | 1,2574 | 9,9547 | + 0,04 |
| Dec. | 6 | 0,0666 | 0,8113 | 0,7255 | 1,2880 | 9,9677 | + 0,04 |
| | 16 | 0,0790 | 0,8208 | 0,3215 | 1,3037 | 9,9803 | + 0,04 |
| | 26 | 0,0913 | 0,8255 | 0,0767 *n* | 1,3056 | 9,9925 | + 0,04 |
| | 36 | 0,1032 | 0,8255 | 0,6481 *n* | 1,2937 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1790.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. $\tau$ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,4073 | 0,8260 | 0,5099 *n* | 1,2998 | — ∞ | + 0,04 |
| | 10 | 9,4605 | 0,8233 | 0,8071 *n* | 1,2790 | 8,4362 | + 0,05 |
| | 20 | 9,5049 | 0,8170 | 0,9725 *n* | 1,2425 | 8,7373 | + 0,05 |
| | 30 | 9,5416 | 0,8081 | 1,0814 *n* | 1,1877 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,5717 | 0,7983 | 1,1569 *n* | 1,1093 | 9,0383 | + 0,05 |
| | 19 | 9,5963 | 0,7893 | 1,2094 *n* | 0,9969 | 9,1352 | + 0,04 |
| Mart. | 1 | 9,6167 | 0,7827 | 1,2438 *n* | 0,8266 | 9,2144 | + 0,04 |
| | 11 | 9,6342 | 0,7800 | 1,2632 *n* | 0,5183 | 9,2813 | + 0,04 |
| | 21 | 9,6501 | 0,7819 | 1,2690 *n* | 9,2811 *n* | 9,3393 | + 0,04 |
| | 31 | 9,6655 | 0,7887 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,6813 | 0,7996 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,04 |
| | 20 | 9,6985 | 0,8136 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,03 |
| | 30 | 9,7170 | 0,8292 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,03 |
| Maj. | 10 | 9,7372 | 0,8450 | 1,0835 *n* | 1,1861 *n* | 9,5502 | + 0,03 |
| | 20 | 9,7586 | 0,8595 | 0,9824 *n* | 1,2391 *n* | 9,5824 | + 0,03 |
| | 30 | 9,7810 | 0,8718 | 0,8341 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. | 9 | 9,8035 | 0,8810 | 0,5873 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| | 19 | 9,8257 | 0,8867 | 9,9073 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8470 | 0,8887 | 0,3560 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. | 9 | 9,8668 | 0,8873 | 0,7230 | 1,2882 *n* | 9,7150 | + 0,04 |
| | 19 | 9,8849 | 0,8829 | 0,9115 | 1,2601 *n* | 9,7373 | + 0,04 |
| | 29 | 9,9010 | 0,8760 | 1,0337 | 1,2169 *n* | 9,7585 | + 0,04 |
| Aug. | 8 | 9,9150 | 0,8678 | 1,1194 | 1,1551 *n* | 9,7787 | + 0,04 |
| | 18 | 9,9272 | 0,8594 | 1,1808 | 1,0683 *n* | 9,7980 | + 0,04 |
| | 28 | 9,9375 | 0,8521 | 1,2239 | 0,9432 *n* | 9,8164 | + 0,04 |
| Sept. | 7 | 9,9465 | 0,8470 | 1,2519 | 0,7470 *n* | 9,8342 | + 0,04 |
| | 17 | 9,9545 | 0,8453 | 1,2664 | 0,3459 *n* | 9,8512 | + 0,03 |
| | 27 | 9,9620 | 0,8476 | 1,2682 | 0,0906 | 9,8676 | + 0,03 |
| Oct. | 7 | 9,9695 | 0,8539 | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| | 17 | 9,9775 | 0,8637 | 1,2324 | 0,9020 | 9,8986 | + 0,03 |
| | 27 | 9,9864 | 0,8760 | 1,1919 | 1,0443 | 9,9134 | + 0,03 |
| Nov. | 6 | 9,9963 | 0,8896 | 1,1322 | 1,1414 | 9,9276 | + 0,03 |
| | 16 | 0,0074 | 0,9031 | 1,0467 | 1,2099 | 9,9414 | + 0,02 |
| | 26 | 0,0195 | 0,9151 | 0,9222 | 1,2574 | 9,9547 | + 0,03 |
| Dec. | 6 | 0,0323 | 0,9245 | 0,7255 | 1,2880 | 9,9677 | + 0,03 |
| | 16 | 0,0455 | 0,9307 | 0,3215 | 1,3037 | 9,9803 | + 0,03 |
| | 26 | 0,0585 | 0,9333 | 0,0766 *n* | 1,3056 | 9,9925 | + 0,03 |
| | 36 | 0,0711 | 0,9322 | 0,6481 *n* | 1,2937 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1791.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,2183 | 0,9330 | 0,5099 *n* | 1,2998 | — ∞ | + 0,03 |
| | 10 | 9,2965 | 0,9297 | 0,8071 *n* | 1,2790 | 8,4362 | + 0,03 |
| | 20 | 9,3587 | 0,9236 | 0,9725 *n* | 1,2425 | 8,7373 | + 0,03 |
| | 30 | 9,4083 | 0,9155 | 1,0814 *n* | 1,1877 | 8,9134 | + 0,03 |
| Febr. | 9 | 9,4476 | 0,9066 | 1,1569 *n* | 1,1093 | 9,0383 | + 0,03 |
| | 19 | 9,4791 | 0,8983 | 1,2094 *n* | 0,9969 | 9,1352 | + 0,03 |
| Mart. | 1 | 9,5048 | 0,8919 | 1,2438 *n* | 0,8266 | 9,2144 | + 0,03 |
| | 11 | 9,5266 | 0,8884 | 1,2632 *n* | 0,5183 | 9,2813 | + 0,02 |
| | 21 | 9,5460 | 0,8886 | 1,2690 *n* | 9,2810 *n* | 9,3393 | + 0,02 |
| | 31 | 9,5648 | 0,8926 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,02 |
| Apr. | 10 | 9,5840 | 0,8999 | 1,2415 *n* | 0,8446 *n* | 9,4362 | + 0,02 |
| | 20 | 9,6046 | 0,9093 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,02 |
| | 30 | 9,6270 | 0,9211 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,02 |
| Maj. | 10 | 9,6511 | 0,9326 | 1,0835 *n* | 1,1861 *n* | 9,5502 | + 0,02 |
| | 20 | 9,6767 | 0,9433 | 0,9824 *n* | 1,2391 *n* | 9,5824 | + 0,02 |
| | 30 | 9,7030 | 0,9522 | 0,8341 *n* | 1,2751 *n* | 9,6123 | + 0,02 |
| Jun. | 9 | 9,7294 | 0,9587 | 0,5873 *n* | 1,2969 *n* | 9,6404 | + 0,02 |
| | 19 | 9,7552 | 0,9623 | 9,9072 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| | 29 | 9,7798 | 0,9628 | 0,3560 | 1,3033 *n* | 9,6915 | + 0,02 |
| Jul. | 9 | 9,8025 | 0,9604 | 0,7230 | 1,2882 *n* | 9,7150 | + 0,02 |
| | 19 | 9,8231 | 0,9554 | 0,9115 | 1,2601 *n* | 9,7373 | + 0,02 |
| | 29 | 9,8413 | 0,9484 | 1,0337 | 1,2169 *n* | 9,7585 | + 0,02 |
| Aug. | 8 | 9,8571 | 0,9402 | 1,1194 | 1,1551 *n* | 9,7787 | + 0,02 |
| | 18 | 9,8706 | 0,9318 | 1,1808 | 1,0683 *n* | 9,7980 | + 0,02 |
| | 28 | 9,8821 | 0,9242 | 1,2239 | 0,9432 *n* | 9,8164 | + 0,02 |
| Sept. | 7 | 9,8920 | 0,9186 | 1,2519 | 0,7470 *n* | 9,8342 | + 0,02 |
| | 17 | 9,9008 | 0,9158 | 1,2664 | 0,3459 *n* | 9,8512 | + 0,01 |
| | 27 | 9,9091 | 0,9163 | 1,2682 | 0,0906 | 9,8676 | + 0,01 |
| Oct. | 7 | 9,9173 | 0,9203 | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| | 17 | 9,9261 | 0,9274 | 1,2324 | 0,9020 | 9,8986 | + 0,01 |
| | 27 | 9,9359 | 0,9368 | 1,1919 | 1,0443 | 9,9134 | + 0,01 |
| Nov. | 6 | 9,9469 | 0,9473 | 1,1322 | 1,1414 | 9,9276 | + 0,01 |
| | 16 | 9,9591 | 0,9578 | 1,0467 | 1,2099 | 9,9414 | + 0,01 |
| | 26 | 9,9724 | 0,9671 | 0,9222 | 1,2574 | 9,9547 | + 0,01 |
| Dec. | 6 | 9,9865 | 0,9743 | 0,7255 | 1,2880 | 9,9677 | + 0,01 |
| | 16 | 0,0009 | 0,9786 | 0,3215 | 1,3037 | 9,9803 | + 0,01 |
| | 26 | 0,0152 | 0,9796 | 0,0766 *n* | 1,3056 | 9,9925 | + 0,01 |
| | 36 | 0,0289 | 0,9774 | 0,6480 *n* | 1,2937 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1792.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 8,7520 | 0,9786 | 0,5099 *n* | 1,2998 | — ∞ | + 0″,01 |
| 11 | 8,9483 | 0,9744 | 0,8071 *n* | 1,2790 | 8,4362 | + 0,01 |
| 21 | 9,0752 | 0,9676 | 0,9725 *n* | 1,2425 | 8,7373 | + 0,01 |
| 31 | 9,1648 | 0,9589 | 1,0814 *n* | 1,1877 | 8,9134 | + 0,01 |
| Febr. 10 | 9,2309 | 0,9496 | 1,1569 *n* | 1,1093 | 9,0383 | + 0,01 |
| 20 | 9,2810 | 0,9407 | 1,2093 *n* | 0,9969 | 9,1352 | + 0,01 |
| Mart. 1 | 9,3203 | 0,9335 | 1,2438 *n* | 0,8266 | 9,2144 | + 0,01 |
| 11 | 9,3526 | 0,9289 | 1,2632 *n* | 0,5183 | 9,2813 | + 0,01 |
| 21 | 9,3808 | 0,9276 | 1,2690 *n* | 9,2809 *n* | 9,3393 | 0,00 |
| 31 | 9,4076 | 0,9298 | 1,2619 *n* | 0,5629 *n* | 9,3905 | 0,00 |
| Apr. 10 | 9,4345 | 0,9351 | 1,2415 *n* | 0,8446 *n* | 9,4362 | 0,00 |
| 20 | 9,4630 | 0,9429 | 1,2068 *n* | 1,0047 *n* | 9,4776 | 0,00 |
| 30 | 9,4934 | 0,9520 | 1,1556 *n* | 1,1113 *n* | 9,5154 | 0,00 |
| Maj. 10 | 9,5256 | 0,9614 | 1,0835 *n* | 1,1861 *n* | 9,5502 | 0,00 |
| 20 | 9,5591 | 0,9701 | 0,9824 *n* | 1,2391 *n* | 9,5824 | 0,00 |
| 30 | 9,5931 | 0,9772 | 0,8341 *n* | 1,2751 *n* | 9,6123 | 0,00 |
| Jun. 9 | 9,6267 | 0,9820 | 0,5873 *n* | 1,2969 *n* | 9,6404 | 0,00 |
| 19 | 9,6590 | 0,9841 | 9,9071 *n* | 1,3061 *n* | 9,6667 | 0,00 |
| 29 | 9,6892 | 0,9834 | 0,3561 | 1,3033 *n* | 9,6915 | 0,00 |
| Jul. 9 | 9,7169 | 0,9798 | 0,7231 | 1,2882 *n* | 9,7150 | 0,00 |
| 19 | 9,7417 | 0,9737 | 0,9115 | 1,2600 *n* | 9,7373 | 0,00 |
| 29 | 9,7635 | 0,9656 | 1,0337 | 1,2169 *n* | 9,7585 | 0,00 |
| Aug. 8 | 9,7822 | 0,9564 | 1,1194 | 1,1551 *n* | 9,7787 | 0,00 |
| 18 | 9,7982 | 0,9468 | 1,1808 | 1,0683 *n* | 9,7980 | 0,00 |
| 28 | 9,8117 | 0,9381 | 1,2239 | 0,9432 *n* | 9,8164 | 0,00 |
| Sept. 7 | 9,8233 | 0,9312 | 1,2519 | 0,7470 *n* | 9,8342 | 0,00 |
| 17 | 9,8335 | 0,9270 | 1,2664 | 0,3458 *n* | 9,8512 | — 0,01 |
| 27 | 9,8431 | 0,9260 | 1,2682 | 0,0906 | 9,8676 | — 0,01 |
| Oct. 7 | 9,8526 | 0,9284 | 1,2572 | 0,6688 | 9,8834 | — 0,01 |
| 17 | 9,8628 | 0,9339 | 1,2324 | 0,9020 | 9,8986 | — 0,01 |
| 27 | 9,8740 | 0,9417 | 1,1919 | 1,0443 | 9,9134 | — 0,01 |
| Nov. 6 | 9,8866 | 0,9507 | 1,1322 | 1,1414 | 9,9276 | — 0,01 |
| 16 | 9,9006 | 0,9598 | 1,0467 | 1,2099 | 9,9414 | — 0,01 |
| 26 | 9,9158 | 0,9677 | 0,9222 | 1,2574 | 9,9547 | — 0,01 |
| Dec. 6 | 9,9319 | 0,9735 | 0,7256 | 1,2880 | 9,9677 | — 0,01 |
| 16 | 9,9482 | 0,9765 | 0,3216 | 1,3037 | 9,9803 | — 0,01 |
| 26 | 9,9643 | 0,9763 | 0,0765 *n* | 1,3056 | 9,9925 | — 0,01 |
| 36 | 9,9797 | 0,9727 | 0,6480 *n* | 1,2937 | 0,0044 | — 0,01 |

# Tabula VIII.

## 1793.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 8,7637 *n* | 0,9744 | 0,5099 *n* | 1,2998 | — ∞ | —0″,01 |
| | 10 | 8,4103 *n* | 0,9688 | 0,8071 *n* | 1,2790 | 8,4362 | —0,01 |
| | 20 | 7,6493 | 0,9605 | 0,9725 *n* | 1,2425 | 8,7373 | —0,01 |
| | 30 | 8,5020 | 0,9503 | 1,0814 *n* | 1,1877 | 8,9134 | —0,01 |
| Febr. | 9 | 8,7470 | 0,9393 | 1,1569 *n* | 1,1093 | 9,0383 | —0,01 |
| | 19 | 8,8851 | 0,9288 | 1,2093 *n* | 0,9970 | 9,1352 | —0,01 |
| Mart. | 1 | 8,9774 | 0,9198 | 1,2438 *n* | 0,8266 | 9,2144 | —0,01 |
| | 11 | 9,0459 | 0,9136 | 1,2632 *n* | 0,5183 | 9,2813 | —0,01 |
| | 21 | 9,1018 | 0,9108 | 1,2690 *n* | 0,2808 *n* | 9,3393 | —0,02 |
| | 31 | 9,1516 | 0,9115 | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,02 |
| Apr. | 10 | 9,1995 | 0,9156 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,02 |
| | 20 | 9,2476 | 0,9221 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,02 |
| | 30 | 9,2968 | 0,9302 | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,02 |
| Maj. | 10 | 9,3468 | 0,9387 | 1,0835 *n* | 1,1861 *n* | 9,5502 | —0,02 |
| | 20 | 9,3967 | 0,9465 | 0,9824 *n* | 1,2391 *n* | 9,5824 | —0,02 |
| | 30 | 9,4456 | 0,9526 | 0,8341 *n* | 1,2751 *n* | 9,6123 | —0,02 |
| Jun. | 9 | 9,4923 | 0,9563 | 0,5873 *n* | 1,2969 *n* | 9,6404 | —0,02 |
| | 19 | 9,5359 | 0,9572 | 9,9070 *n* | 1,3061 *n* | 9,6667 | —0,02 |
| | 29 | 9,5759 | 0,9551 | 0,3561 | 1,3033 *n* | 9,6915 | —0,02 |
| Jul. | 9 | 9,6118 | 0,9499 | 0,7231 | 1,2882 *n* | 9,7150 | —0,02 |
| | 19 | 9,6433 | 0,9419 | 0,9115 | 1,2600 *n* | 9,7373 | —0,02 |
| | 29 | 9,6707 | 0,9318 | 1,0337 | 1,2168 *n* | 9,7585 | —0,02 |
| Aug. | 8 | 9,6940 | 0,9203 | 1,1194 | 1,1551 *n* | 9,7787 | —0,02 |
| | 18 | 9,7137 | 0,9085 | 1,1808 | 1,0683 *n* | 9,7980 | —0,02 |
| | 28 | 9,7303 | 0,8974 | 1,2239 | 0,9432 *n* | 9,8164 | —0,02 |
| Sept. | 7 | 9,7444 | 0,8882 | 1,2519 | 0,7470 *n* | 9,8342 | —0,02 |
| | 17 | 9,7569 | 0,8820 | 1,2664 | 0,3458 *n* | 9,8512 | —0,02 |
| | 27 | 9,7686 | 0,8794 | 1,2682 | 0,0906 | 9,8676 | —0,03 |
| Oct. | 7 | 9,7801 | 0,8805 | 1,2572 | 0,6688 | 9,8834 | —0,03 |
| | 17 | 9,7923 | 0,8851 | 1,2324 | 0,9020 | 9,8986 | —0,03 |
| | 27 | 9,8057 | 0,8922 | 1,1919 | 1,0443 | 9,9134 | —0,03 |
| Nov. | 6 | 9,8207 | 0,9008 | 1,1322 | 1,1414 | 9,9276 | —0,03 |
| | 16 | 9,8371 | 0,9095 | 1,0468 | 1,2099 | 9,9414 | —0,03 |
| | 26 | 9,8549 | 0,9170 | 0,9222 | 1,2574 | 9,9547 | —0,03 |
| Dec. | 6 | 9,8735 | 0,9221 | 0,7256 | 1,2880 | 9,9677 | —0,03 |
| | 16 | 9,8924 | 0,9241 | 0,3216 | 1,3037 | 9,9803 | —0,03 |
| | 26 | 9,9109 | 0,9224 | 0,0764 *n* | 1,3056 | 9,9925 | —0,03 |
| | 36 | 9,9284 | 0,9169 | 0,6480 *n* | 1,2937 | 0,0044 | —0,03 |

# Tabula VIII.

## 1794.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,2161 *n* | 0,9194 | 0,5098 *n* | 1,2998 | — ∞ | —0,03″ |
| 10 | 9,1198 *n* | 0,9117 | 0,8071 *n* | 1,2790 | 8,4362 | —0,03 |
| 20 | 9,0050 *n* | 0,9007 | 0,9725 *n* | 1,2425 | 8,7373 | —0,03 |
| 30 | 8,8659 *n* | 0,8875 | 1,0814 *n* | 1,1877 | 8,9134 | —0,03 |
| Febr. 9 | 8,6894 *n* | 0,8733 | 1,1569 *n* | 1,1093 | 9,0383 | —0,03 |
| 19 | 8,4403 *n* | 0,8594 | 1,2093 *n* | 0,9970 | 9,1352 | —0,03 |
| Mart. 1 | 7,9510 *n* | 0,8473 | 1,2438 *n* | 0,8266 | 9,2144 | —0,03 |
| 11 | 7,8893 | 0,8383 | 1,2632 *n* | 0,5183 | 9,2813 | —0,03 |
| 21 | 8,3707 | 0,8332 | 1,2690 *n* | 9,2806 *n* | 9,3393 | —0,03 |
| 31 | 8,5949 | 0,8325 | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,03 |
| Apr. 10 | 8,7510 | 0,8357 | 1,2415 *n* | 0,8446 *n* | 9,4362 | —0,04 |
| 20 | 8,8774 | 0,8420 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,04 |
| 30 | 8,9872 | 0,8502 | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,04 |
| Maj. 10 | 9,0856 | 0,8588 | 1,0835 *n* | 1,1861 *n* | 9,5502 | —0,04 |
| 20 | 9,1744 | 0,8667 | 0,9824 *n* | 1,2391 *n* | 9,5824 | —0,04 |
| 30 | 9,2543 | 0,8726 | 0,8341 *n* | 1,2751 *n* | 9,6123 | —0,04 |
| Jun. 9 | 9,3260 | 0,8756 | 0,5873 *n* | 1,2969 *n* | 9,6404 | —0,04 |
| 19 | 9,3896 | 0,8753 | 9,9069 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| 29 | 9,4455 | 0,8712 | 0,3561 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. 9 | 9,4940 | 0,8634 | 0,7231 | 1,2882 *n* | 9,7150 | —0,04 |
| 19 | 9,5357 | 0,8523 | 0,9115 | 1,2600 *n* | 9,7373 | —0,03 |
| 29 | 9,5712 | 0,8383 | 1,0337 | 1,2168 *n* | 9,7585 | —0,03 |
| Aug. 8 | 9,6009 | 0,8224 | 1,1194 | 1,1551 *n* | 9,7787 | —0,03 |
| 18 | 9,6258 | 0,8059 | 1,1808 | 1,0683 *n* | 9,7980 | —0,03 |
| 28 | 9,6467 | 0,7902 | 1,2239 | 0,9432 *n* | 9,8164 | —0,04 |
| Sept. 7 | 9,6643 | 0,7767 | 1,2519 | 0,7469 *n* | 9,8342 | —0,04 |
| 17 | 9,6799 | 0,7669 | 1,2664 | 0,3458 *n* | 9,8512 | —0,04 |
| 27 | 9,6943 | 0,7617 | 1,2682 | 0,0906 | 9,8676 | —0,04 |
| Oct. 7 | 9,7085 | 0,7615 | 1,2572 | 0,6688 | 9,8834 | —0,04 |
| 17 | 9,7234 | 0,7658 | 1,2324 | 0,9020 | 9,8986 | —0,04 |
| 27 | 9,7396 | 0,7736 | 1,1919 | 1,0443 | 9,9134 | —0,05 |
| Nov. 6 | 9,7575 | 0,7832 | 1,1322 | 1,1414 | 9,9276 | —0,05 |
| 16 | 9,7770 | 0,7930 | 1,0468 | 1,2099 | 9,9414 | —0,05 |
| 26 | 9,7978 | 0,8013 | 0,9223 | 1,2574 | 9,9547 | —0,05 |
| Dec. 6 | 9,8194 | 0,8065 | 0,7256 | 1,2880 | 9,9677 | —0,05 |
| 16 | 9,8411 | 0,8076 | 0,3216 | 1,3037 | 9,9803 | —0,04 |
| 26 | 9,8623 | 0,8039 | 0,0763 *n* | 1,3056 | 9,9925 | —0,04 |
| 36 | 9,8823 | 0,7952 | 0,6480 *n* | 1,2937 | 0,0044 | —0,04 |

# Tabula VIII.

## 1795.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,3983 *n* | 0,7990 | 0,5098 *n* | 1,2998 | — ∞ | — 0,04 |
| 10 | 9,3360 *n* | 0,7873 | 0,8070 *n* | 1,2790 | 8,4362 | — 0,04 |
| 20 | 9,2682 *n* | 0,7711 | 0,9725 *n* | 1,2425 | 8,7373 | — 0,04 |
| 30 | 9,1958 *n* | 0,7517 | 1,0814 *n* | 1,1877 | 8,9134 | — 0,04 |
| Febr. 9 | 9,1196 *n* | 0,7304 | 1,1569 *n* | 1,1093 | 9,0383 | — 0,04 |
| 19 | 9,0398 *n* | 0,7092 | 1,2093 *n* | 0,9970 | 9,1352 | — 0,04 |
| Mart. 1 | 8,9553 *n* | 0,6902 | 1,2438 *n* | 0,8266 | 9,2144 | — 0,04 |
| 11 | 8,8619 *n* | 0,6753 | 1,2632 *n* | 0,5184 | 9,2813 | — 0,04 |
| 21 | 8,7503 *n* | 0,6661 | 1,2690 *n* | 9,2805 *n* | 9,3393 | — 0,05 |
| 31 | 8,5981 *n* | 0,6632 | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,3392 *n* | 0,6661 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,05 |
| 20 | 7,3006 *n* | 0,6736 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,05 |
| 30 | 8,3117 | 0,6839 | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 8,6626 | 0,6949 | 1,0835 *n* | 1,1861 *n* | 9,5502 | — 0,05 |
| 20 | 8,8716 | 0,7047 | 0,9824 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 9,0230 | 0,7116 | 0,8341 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,1413 | 0,7145 | 0,5873 *n* | 1,2969 *n* | 9,6404 | — 0,05 |
| 19 | 9,2373 | 0,7125 | 9,9068 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,3165 | 0,7051 | 0,3562 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3821 | 0,6921 | 0,7231 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,4367 | 0,6738 | 0,9115 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4820 | 0,6509 | 1,0337 | 1,2168 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,5194 | 0,6245 | 1,1194 | 1,1551 *n* | 9,7787 | — 0,05 |
| 18 | 9,5503 | 0,5963 | 1,1808 | 1,0683 *n* | 9,7980 | — 0,05 |
| 28 | 9,5760 | 0,5685 | 1,2239 | 0,9432 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5977 | 0,5439 | 1,2519 | 0,7469 *n* | 9,8342 | — 0,05 |
| 17 | 9,6167 | 0,5249 | 1,2664 | 0,3458 *n* | 9,8512 | — 0,05 |
| 27 | 9,6342 | 0,5137 | 1,2682 | 0,0906 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6513 | 0,5112 | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6691 | 0,5168 | 1,2324 | 0,9020 | 9,8986 | — 0,05 |
| 27 | 9,6883 | 0,5285 | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. 6 | 9,7090 | 0,5435 | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| 16 | 9,7315 | 0,5586 | 1,0468 | 1,2099 | 9,9414 | — 0,06 |
| 26 | 9,7553 | 0,5710 | 0,9223 | 1,2574 | 9,9547 | — 0,06 |
| Dec. 6 | 9,7797 | 0,5782 | 0,7256 | 1,2880 | 9,9677 | — 0,06 |
| 16 | 9,8041 | 0,5784 | 0,3217 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8277 | 0,5705 | 0,0763 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8499 | 0,5539 | 0,6480 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1796.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,4848 *n* | 0,5612 | 0,5098 *n* | 1,2999 | — ∞ | — 0,05 |
| 11 | 9,4329 *n* | 0,5390 | 0,8070 *n* | 1,2790 | 8,4362 | — 0,05 |
| 21 | 9,3779 *n* | 0,5082 | 0,9725 *n* | 1,2425 | 8,7373 | — 0,05 |
| 31 | 9,3208 *n* | 0,4699 | 1,0814 *n* | 1,1877 | 8,9134 | — 0,05 |
| Febr. 10 | 9,2627 *n* | 0,4262 | 1,1569 *n* | 1,1093 | 9,0383 | — 0,05 |
| 20 | 9,2043 *n* | 0,3801 | 1,2093 *n* | 0,9970 | 9,1352 | — 0,05 |
| Mart. 1 | 9,1452 *n* | 0,3361 | 1,2438 *n* | 0,8266 | 9,2144 | — 0,05 |
| 11 | 9,0838 *n* | 0,2992 | 1,2632 *n* | 0,5184 | 9,2813 | — 0,05 |
| 21 | 9,0163 *n* | 0,2743 | 1,2690 *n* | 9,2804 *n* | 9,3393 | — 0,05 |
| 31 | 8,9356 *n* | 0,2644 | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,06 |
| Apr. 10 | 8,8290 *n* | 0,2691 | 1,2415 *n* | 0,8446 *n* | 9,4362 | — 0,06 |
| 20 | 8,6688 *n* | 0,2851 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,06 |
| 30 | 8,3647 *n* | 0,3075 | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,06 |
| Maj. 10 | 7,5175 | 0,3311 | 1,0835 *n* | 1,1861 *n* | 9,5502 | — 0,06 |
| 20 | 8,5148 | 0,3514 | 0,9824 *n* | 1,2391 *n* | 9,5824 | — 0,06 |
| 30 | 8,8111 | 0,3651 | 0,8341 *n* | 1,2751 *n* | 9,6123 | — 0,06 |
| Jun. 9 | 8,9946 | 0,3697 | 0,5872 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| 19 | 9,1271 | 0,3635 | 9,9067 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| 29 | 9,2292 | 0,3449 | 0,3562 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3103 | 0,3126 | 0,7231 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,3759 | 0,2654 | 0,9115 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4292 | 0,2018 | 1,0337 | 1,2168 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,4727 | 0,1203 | 1,1195 | 1,1551 *n* | 9,7787 | — 0,05 |
| 18 | 9,5083 | 0,0198 | 1,1808 | 1,0683 *n* | 9,7980 | — 0,05 |
| 28 | 9,5378 | 9,9003 | 1,2239 | 0,9432 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5626 | 9,7656 | 1,2519 | 0,7469 *n* | 9,8342 | — 0,05 |
| 17 | 9,5843 | 9,6295 | 1,2664 | 0,3458 *n* | 9,8512 | — 0,06 |
| 27 | 9,6043 | 9,5237 | 1,2682 | 0,0906 | 9,8676 | — 0,06 |
| Oct. 7 | 9,6237 | 9,4892 | 1,2572 | 0,6688 | 9,8834 | — 0,06 |
| 17 | 9,6436 | 9,5369 | 1,2324 | 0,9019 | 9,8986 | — 0,06 |
| 27 | 9,6648 | 9,6316 | 1,1919 | 1,0443 | 9,9134 | — 0,06 |
| Nov. 6 | 9,6877 | 9,7331 | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| 16 | 9,7121 | 9,8190 | 1,0468 | 1,2099 | 9,9414 | — 0,06 |
| 26 | 9,7377 | 9,8798 | 0,9223 | 1,2574 | 9,9547 | — 0,06 |
| Dec. 6 | 9,7639 | 9,9114 | 0,7256 | 1,2880 | 9,9677 | — 0,06 |
| 16 | 9,7899 | 9,9100 | 0,3217 | 1,3037 | 9,9803 | — 0,06 |
| 26 | 9,8150 | 9,8692 | 0,0762 *n* | 1,3056 | 9,9925 | — 0,06 |
| 36 | 9,8384 | 9,7750 | 0,6480 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1797.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5108 *n* | 9,8182 | 0,5098 *n* | 1,2999 | — ∞ | — 0,05 |
| 10 | 9,4605 *n* | 9,6741 | 0,8070 *n* | 1,2790 | 8,4362 | — 0,05 |
| 20 | 9,4073 *n* | 9,3648 | 0,9725 *n* | 1,2426 | 8,7373 | — 0,05 |
| 30 | 9,3522 *n* | 8,6419 *n* | 1,0814 *n* | 1,1877 | 8,9134 | — 0,05 |
| Febr. 9 | 9,2962 *n* | 9,5184 *n* | 1,1569 *n* | 1,1093 | 9,0383 | — 0,05 |
| 19 | 9,2398 *n* | 9,7792 *n* | 1,2093 *n* | 0,9970 | 9,1352 | — 0,05 |
| Mart. 1 | 9,1827 *n* | 9,9221 *n* | 1,2438 *n* | 0,8266 | 9,2144 | — 0,05 |
| 11 | 9,1234 *n* | 0,0064 *n* | 1,2632 *n* | 0,5184 | 9,2813 | — 0,05 |
| 21 | 9,0583 *n* | 0,0523 *n* | 1,2690 *n* | 9,2803 *n* | 9,3393 | — 0,06 |
| 31 | 8,9810 *n* | 0,0692 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,06 |
| Apr. 10 | 8,8803 *n* | 0,0625 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,06 |
| 20 | 8,7330 *n* | 0,0360 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,06 |
| 30 | 8,4707 *n* | 9,9937 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,06 |
| Maj. 10 | 7,3127 *n* | 9,9411 *n* | 1,0835 *n* | 1,1861 *n* | 9,5502 | — 0,06 |
| 20 | 8,4532 | 9,8873 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,06 |
| 30 | 8,7885 | 9,8451 *n* | 0,8341 *n* | 1,2751 *n* | 9,6123 | — 0,06 |
| Jun. 9 | 9,9846 | 9,8296 *n* | 0,5872 *n* | 1,2969 *n* | 9,6404 | — 0,06 |
| 19 | 9,1231 | 9,8507 *n* | 9,9066 *n* | 1,3061 *n* | 9,6667 | — 0,06 |
| 29 | 9,2287 | 9,9062 *n* | 0,3562 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3121 | 9,9839 *n* | 0,7231 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,3793 | 0,0698 *n* | 0,9115 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4339 | 0,1536 *n* | 1,0337 | 1,2168 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,4784 | 0,2292 *n* | 1,1195 | 1,1551 *n* | 9,7787 | — 0,05 |
| 18 | 9,5150 | 0,2936 *n* | 1,1808 | 1,0683 *n* | 9,7980 | — 0,05 |
| 28 | 9,5453 | 0,3456 *n* | 1,2239 | 0,9432 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5709 | 0,3849 *n* | 1,2519 | 0,7469 *n* | 9,8342 | — 0,05 |
| 17 | 9,5934 | 0,4117 *n* | 1,2664 | 0,3458 *n* | 9,8512 | — 0,05 |
| 27 | 9,6140 | 0,4266 *n* | 1,2682 | 0,0907 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6340 | 0,4303 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,06 |
| 17 | 9,6545 | 0,4239 *n* | 1,2324 | 0,9019 | 9,8986 | — 0,06 |
| 27 | 9,6761 | 0,4094 *n* | 1,1920 | 1,0443 | 9,9134 | — 0,06 |
| Nov. 6 | 9,6993 | 0,3893 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,06 |
| 16 | 9,7239 | 0,3671 *n* | 1,0468 | 1,2099 | 9,9414 | — 0,06 |
| 26 | 9,7496 | 0,3474 *n* | 0,9223 | 1,2574 | 9,9547 | — 0,06 |
| Dec. 6 | 9,7759 | 0,3353 *n* | 0,7256 | 1,2880 | 9,9677 | — 0,06 |
| 16 | 9,8019 | 0,3349 *n* | 0,3218 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8269 | 0,3483 *n* | 0,0762 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8504 | 0,3746 *n* | 0,6479 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1798.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4847 *n* | 0,3634 *n* | 0,5097 *n* | 1,2999 | — ∞ | — 0,05 |
| 10 | 9,4295 *n* | 0,3961 *n* | 0,8070 *n* | 1,2790 | 8,4362 | — 0,05 |
| 20 | 9,3703 *n* | 0,4353 *n* | 0,9725 *n* | 1,2426 | 8,7373 | — 0,05 |
| 30 | 9,3078 *n* | 0,4763 *n* | 1,0814 *n* | 1,1877 | 8,9134 | — 0,05 |
| Febr. 9 | 9,2428 *n* | 0,5152 *n* | 1,1569 *n* | 1,1093 | 9,0383 | — 0,05 |
| 19 | 9,1756 *n* | 0,5490 *n* | 1,2093 *n* | 0,9970 | 9,1352 | — 0,05 |
| Mart. 1 | 9,1053 *n* | 0,5761 *n* | 1,2438 *n* | 0,8266 | 9,2144 | — 0,05 |
| 11 | 9,0294 *n* | 0,5955 *n* | 1,2632 *n* | 0,5184 | 9,2813 | — 0,05 |
| 21 | 8,9421 *n* | 0,6071 *n* | 1,2690 *n* | 9,2802 *n* | 9,3393 | — 0,05 |
| 31 | 8,8318 *n* | 0,6111 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,6731 *n* | 0,6084 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,05 |
| 20 | 8,3853 *n* | 0,6002 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,05 |
| 30 | 7,0816 | 0,5881 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 8,4724 | 0,5744 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,05 |
| 20 | 8,7860 | 0,5615 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 8,9783 | 0,5519 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,1177 | 0,5478 *n* | 0,5872 *n* | 1,2969 *n* | 9,6404 | — 0,05 |
| 19 | 9,2263 | 0,5508 *n* | 9,9065 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,3136 | 0,5613 *n* | 0,3563 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3850 | 0,5787 *n* | 0,7231 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,4440 | 0,6011 *n* | 0,9115 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4927 | 0,6265 *n* | 1,0337 | 1,2168 *n* | 9,7585 | — 0,04 |
| Aug. 8 | 9,5330 | 0,6524 *n* | 1,1195 | 1,1551 *n* | 9,7787 | — 0,04 |
| 18 | 9,5665 | 0,6769 *n* | 1,1808 | 1,0683 *n* | 9,7980 | — 0,04 |
| 28 | 9,5946 | 0,6983 *n* | 1,2239 | 0,9432 *n* | 9,8164 | — 0,04 |
| Sept. 7 | 9,6185 | 0,7153 *n* | 1,2519 | 0,7469 *n* | 9,8342 | — 0,05 |
| 17 | 9,6396 | 0,7271 *n* | 1,2664 | 0,3458 *n* | 9,8512 | — 0,05 |
| 27 | 9,6591 | 0,7334 *n* | 1,2682 | 0,0907 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6780 | 0,7343 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6973 | 0,7302 *n* | 1,2324 | 0,9019 | 9,8986 | — 0,05 |
| 27 | 9,7177 | 0,7221 *n* | 1,1920 | 1,0443 | 9,9134 | — 0,05 |
| Nov. 6 | 9,7395 | 0,7114 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,05 |
| 16 | 9,7627 | 0,6999 *n* | 1,0468 | 1,2099 | 9,9414 | — 0,05 |
| 26 | 9,7869 | 0,6898 *n* | 0,9223 | 1,2574 | 9,9547 | — 0,05 |
| Dec. 6 | 9,8117 | 0,6831 *n* | 0,7256 | 1,2880 | 9,9677 | — 0,05 |
| 16 | 9,8363 | 0,6817 *n* | 0,3218 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8600 | 0,6867 *n* | 0,0762 *n* | 1,3056 | 9,9925 | — 0,04 |
| 36 | 9,8822 | 0,6978 *n* | 0,6479 *n* | 1,2937 | 0,0044 | — 0,04 |

# Tabula VIII.

## 1799.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,4009 *n* | 0,6929 *n* | 0,5097 *n* | 1,2999 | — ∞ | —″0,04 |
| | 10 | 9,3113 *n* | 0,7074 *n* | 0,8070 *n* | 1,2790 | 8,4362 | —0,04 |
| | 20 | 9,2535 *n* | 0,7258 *n* | 0,9725 *n* | 1,2426 | 8,7373 | —0,04 |
| | 30 | 9,1671 *n* | 0,7462 *n* | 1,0814 *n* | 1,1877 | 8,9134 | —0,04 |
| Febr. | 9 | 9,0713 *n* | 0,7664 *n* | 1,1569 *n* | 1,1093 | 9,0383 | —0,04 |
| | 19 | 8,9634 *n* | 0,7847 *n* | 1,2093 *n* | 0,9970 | 9,1352 | —0,04 |
| Mart. | 1 | 8,8370 *n* | 0,7997 *n* | 1,2438 *n* | 0,8266 | 9,2144 | —0,04 |
| | 11 | 8,6760 *n* | 0,8104 *n* | 1,2632 *n* | 0,5184 | 9,2813 | —0,04 |
| | 21 | 8,4331 *n* | 0,8165 *n* | 1,2690 *n* | 9,2800 *n* | 9,3393 | —0,04 |
| | 31 | 7,8228 *n* | 0,8179 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,04 |
| Apr. | 10 | 8,1751 | 0,8152 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,04 |
| | 20 | 8,5866 | 0,8091 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,04 |
| | 30 | 8,8123 | 0,8006 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,04 |
| Maj. | 10 | 8,9740 | 0,7911 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,04 |
| | 20 | 9,1017 | 0,7821 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,04 |
| | 30 | 9,2074 | 0,7752 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | —0,04 |
| Jun. | 9 | 9,2967 | 0,7715 *n* | 0,5872 *n* | 1,2969 *n* | 9,6404 | —0,04 |
| | 19 | 9,3730 | 0,7721 *n* | 9,9064 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| | 29 | 9,4382 | 0,7772 *n* | 0,3563 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. | 9 | 9,4940 | 0,7866 *n* | 0,7232 | 1,2882 *n* | 9,7150 | —0,04 |
| | 19 | 9,5415 | 0,7995 *n* | 0,9115 | 1,2600 *n* | 9,7373 | —0,03 |
| | 29 | 9,5817 | 0,8145 *n* | 1,0338 | 1,2168 *n* | 9,7585 | —0,03 |
| Aug. | 8 | 9,6157 | 0,8304 *n* | 1,1195 | 1,1551 *n* | 9,7787 | —0,03 |
| | 18 | 9,6443 | 0,8457 *n* | 1,1809 | 1,0683 *n* | 9,7980 | —0,03 |
| | 28 | 9,6685 | 0,8592 *n* | 1,2239 | 0,9432 *n* | 9,8164 | —0,03 |
| Sept. | 7 | 9,6895 | 0,8699 *n* | 1,2519 | 0,7469 *n* | 9,8342 | —0,03 |
| | 17 | 9,7081 | 0,8772 *n* | 1,2664 | 0,3458 *n* | 9,8512 | —0,03 |
| | 27 | 9,7253 | 0,8806 *n* | 1,2682 | 0,0907 | 9,8676 | —0,03 |
| Oct. | 7 | 9,7422 | 0,8802 *n* | 1,2572 | 0,6688 | 9,8834 | —0,04 |
| | 17 | 9,7594 | 0,8762 *n* | 1,2324 | 0,9019 | 9,8986 | —0,04 |
| | 27 | 9,7777 | 0,8693 *n* | 1,1920 | 1,0443 | 9,9134 | —0,04 |
| Nov. | 6 | 9,7972 | 0,8605 *n* | 1,1322 | 1,1414 | 9,9276 | —0,04 |
| | 16 | 9,8180 | 0,8512 *n* | 1,0463 | 1,2099 | 9,9414 | —0,04 |
| | 26 | 9,8399 | 0,8429 *n* | 0,9223 | 1,2574 | 9,9547 | —0,03 |
| Dec. | 6 | 9,8622 | 0,8369 *n* | 0,7256 | 1,2880 | 9,9677 | —0,03 |
| | 16 | 9,8845 | 0,8347 *n* | 0,3213 | 1,3037 | 9,9803 | —0,03 |
| | 26 | 9,9062 | 0,8369 *n* | 0,0760 *n* | 1,3056 | 9,9925 | —0,03 |
| | 36 | 9,9266 | 0,8435 *n* | 0,6479 *n* | 1,2937 | 0,0044 | —0,03 |

# Tabula VIII.

## 1800.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,2303 *n* | 0,8405 *n* | 0,5097 *n* | 1,2999 | — ∞ | — 0,03 |
| | 10 | 9,1206 *n* | 0,8496 *n* | 0,8070 *n* | 1,2790 | 8,4362 | — 0,03 |
| | 20 | 8,9832 *n* | 0,8618 *n* | 0,9725 *n* | 1,2426 | 8,7373 | — 0,03 |
| | 30 | 8,8011 *n* | 0,8756 *n* | 1,0814 *n* | 1,1877 | 8,9134 | — 0,03 |
| Febr. | 9 | 8,5254 *n* | 0,8896 *n* | 1,1569 *n* | 1,1093 | 9,0383 | — 0,02 |
| | 19 | 7,8437 *n* | 0,9022 *n* | 1,2093 *n* | 0,9970 | 9,1352 | — 0,02 |
| Mart. | 1 | 8,2269 | 0,9126 *n* | 1,2438 *n* | 0,8266 | 9,2144 | — 0,02 |
| | 11 | 8,5882 | 0,9197 *n* | 1,2632 *n* | 0,5184 | 9,2813 | — 0,03 |
| | 21 | 8,7757 | 0,9234 *n* | 1,2690 *n* | 9,2799 *n* | 9,3393 | — 0,03 |
| | 31 | 8,9069 | 0,9234 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,03 |
| Apr. | 10 | 9,0124 | 0,9202 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,03 |
| | 20 | 9,1042 | 0,9142 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,03 |
| | 30 | 9,1875 | 0,9064 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,03 |
| Maj. | 10 | 9,2644 | 0,8978 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,03 |
| | 20 | 9,3357 | 0,8895 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,03 |
| | 30 | 9,4014 | 0,8828 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | — 0,03 |
| Jun. | 9 | 9,4614 | 0,8786 *n* | 0,5872 *n* | 1,2969 *n* | 9,6404 | — 0,03 |
| | 19 | 9,5157 | 0,8778 *n* | 9,9063 *n* | 1,3061 *n* | 9,6667 | — 0,02 |
| | 29 | 9,5643 | 0,8805 *n* | 0,3563 | 1,3033 *n* | 9,6915 | — 0,02 |
| Jul. | 9 | 9,6072 | 0,8867 *n* | 0,7232 | 1,2882 *n* | 9,7150 | — 0,02 |
| | 19 | 9,6447 | 0,8956 *n* | 0,9116 | 1,2600 *n* | 9,7373 | — 0,02 |
| | 29 | 9,6772 | 0,9065 *n* | 1,0338 | 1,2168 *n* | 9,7585 | — 0,02 |
| Aug. | 8 | 9,7051 | 0,9182 *n* | 1,1195 | 1,1551 *n* | 9,7787 | — 0,02 |
| | 18 | 9,7289 | 0,9295 *n* | 1,1809 | 1,0683 *n* | 9,7980 | — 0,02 |
| | 28 | 9,7494 | 0,9395 *n* | 1,2239 | 0,9432 *n* | 9,8164 | — 0,02 |
| Sept. | 7 | 9,7672 | 0,9473 *n* | 1,2519 | 0,7469 *n* | 9,8342 | — 0,02 |
| | 17 | 9,7831 | 0,9522 *n* | 1,2664 | 0,3457 *n* | 9,8512 | — 0,02 |
| | 27 | 9,7980 | 0,9540 *n* | 1,2682 | 0,0907 | 9,8676 | — 0,02 |
| Oct. | 7 | 9,8126 | 0,9524 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,02 |
| | 17 | 9,8276 | 0,9479 *n* | 1,2324 | 0,9019 | 9,8986 | — 0,02 |
| | 27 | 9,8435 | 0,9409 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8606 | 0,9322 *n* | 1,1322 | 1,1414 | 9,9276 | — 0,02 |
| | 16 | 9,8789 | 0,9231 *n* | 1,0468 | 1,2099 | 9,9414 | — 0,02 |
| | 26 | 9,8981 | 0,9147 *n* | 0,9223 | 1,2574 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,9180 | 0,9084 *n* | 0,7257 | 1,2880 | 9,9677 | — 0,02 |
| | 16 | 9,9379 | 0,9052 *n* | 0,3219 | 1,3037 | 9,9803 | — 0,02 |
| | 26 | 9,9573 | 0,9057 *n* | 0,0759 *n* | 1,3056 | 9,9925 | — 0,01 |
| | 36 | 9,9756 | 0,9101 *n* | 0,6479 *n* | 1,2937 | 0,0044 | — 0,01 |

# Tabula VIII.

## 1801.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 8,8404 *n* | 0,9080 *n* | 0,5097 *n* | 1,2999 | — ∞ | — 0″,01 |
| | 10 | 8,4894 *n* | 0,9145 *n* | 0,8070 *n* | 1,2790 | 8,4362 | — 0,01 |
| | 20 | 7,7251 | 0,9237 *n* | 0,9725 *n* | 1,2426 | 8,7373 | — 0,01 |
| | 30 | 8,5867 | 0,9344 *n* | 1,0814 *n* | 1,1873 | 8,9134 | — 0,01 |
| Febr. | 9 | 8,8369 | 0,9355 *n* | 1,1569 *n* | 1,1093 | 9,0383 | — 0,01 |
| | 19 | 8,9804 | 0,9554 *n* | 1,2093 *n* | 0,9970 | 9,1352 | — 0,01 |
| Mart. | 1 | 8,0782 | 0,9633 *n* | 1,2438 *n* | 0,8266 | 9,2144 | — 0,01 |
| | 11 | 9,1522 | 0,9686 *n* | 1,2632 *n* | 0,5184 | 9,2813 | — 0,01 |
| | 21 | 9,2127 | 0,9706 *n* | 1,2690 *n* | 9,2798 *n* | 9,3393 | — 0,01 |
| | 31 | 9,2661 | 0,9695 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,01 |
| Apr. | 10 | 9,3162 | 0,9654 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,01 |
| | 20 | 9,3646 | 0,9586 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,01 |
| | 30 | 9,4128 | 0,9505 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,01 |
| Maj. | 10 | 9,4606 | 0,9414 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,01 |
| | 20 | 9,5077 | 0,9326 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,01 |
| | 30 | 9,5533 | 0,9252 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | — 0,01 |
| Jun. | 9 | 9,5967 | 0,9202 *n* | 0,5872 *n* | 1,2969 *n* | 9,6404 | — 0,01 |
| | 19 | 9,6374 | 0,9180 *n* | 9,9063 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| | 29 | 9,6748 | 0,9191 *n* | 0,3564 | 1,3033 *n* | 9,6915 | 0,00 |
| Jul. | 9 | 9,7086 | 0,9234 *n* | 0,7232 | 1,2882 *n* | 9,7150 | 0,00 |
| | 19 | 9,7388 | 0,9303 *n* | 0,9116 | 1,2600 *n* | 9,7373 | 0,00 |
| | 29 | 9,7653 | 0,9391 *n* | 1,0338 | 1,2168 *n* | 9,7585 | 0,00 |
| Aug. | 8 | 9,7883 | 0,9487 *n* | 1,1195 | 1,1551 *n* | 9,7787 | 0,00 |
| | 18 | 9,8082 | 0,9580 *n* | 1,1809 | 1,0683 *n* | 9,7980 | 0,00 |
| | 28 | 9,8254 | 0,9661 *n* | 1,2239 | 0,9432 *n* | 9,8164 | 0,00 |
| Sept. | 7 | 9,8405 | 0,9722 *n* | 1,2519 | 0,7469 *n* | 9,8342 | 0,00 |
| | 17 | 9,8541 | 0,9757 *n* | 1,2664 | 0,3457 *n* | 9,8512 | 0,00 |
| | 27 | 9,8669 | 0,9761 *n* | 1,2682 | 0,0907 | 9,8676 | 0,00 |
| Oct. | 7 | 9,8794 | 0,9734 *n* | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| | 17 | 9,8924 | 0,9679 *n* | 1,2324 | 0,9019 | 9,8986 | 0,00 |
| | 27 | 9,9062 | 0,9599 *n* | 1,1920 | 1,0442 | 9,9134 | 0,00 |
| Nov. | 6 | 9,9211 | 0,9503 *n* | 1,1323 | 1,1414 | 9,9276 | 0,00 |
| | 16 | 9,9371 | 0,9402 *n* | 1,0468 | 1,2099 | 9,9414 | 0,00 |
| | 26 | 9,9541 | 0,9310 *n* | 0,9223 | 1,2574 | 9,9547 | 0,00 |
| Dec. | 6 | 9,9716 | 0,9234 *n* | 0,7257 | 1,2880 | 9,9677 | 0,00 |
| | 16 | 9,9893 | 0,9189 *n* | 0,3219 | 1,3037 | 9,9803 | 0,00 |
| | 26 | 0,0066 | 0,9180 *n* | 0,0759 *n* | 1,3056 | 9,9925 | + 0,01 |
| | 36 | 0,0230 | 0,9209 *n* | 0,6479 *n* | 1,2937 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1802.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 8,6003 | 0,9194 *n* | 0,5096 *n* | 1,2999 | — ∞ | + 0,01 |
| 10 | 8,8933 | 0,9243 *n* | 0,8070 *n* | 1,2790 | 8,4362 | + 0,01 |
| 20 | 9,0586 | 0,9320 *n* | 0,9724 *n* | 1,2426 | 8,7373 | + 0,01 |
| 30 | 9,1697 | 0,9412 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,01 |
| Febr. 9 | 9,2502 | 0,9507 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,01 |
| 19 | 9,3114 | 0,9593 *n* | 1,2093 *n* | 0,9970 | 9,1352 | + 0,01 |
| Mart. 1 | 9,3599 | 0,9659 *n* | 1,2438 *n* | 0,8266 | 9,2144 | + 0,01 |
| 11 | 9,4001 | 0,9699 *n* | 1,2632 *n* | 0,5184 | 9,2813 | + 0,01 |
| 21 | 9,4353 | 0,9707 *n* | 1,2690 *n* | 9,2797 *n* | 9,3393 | + 0,01 |
| 31 | 9,4681 | 0,9683 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,01 |
| Apr. 10 | 9,5001 | 0,9629 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,01 |
| 20 | 9,5325 | 0,9550 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,01 |
| 30 | 9,5658 | 0,9453 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,01 |
| Maj. 10 | 9,5999 | 0,9348 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,01 |
| 20 | 9,6345 | 0,9245 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,01 |
| 30 | 9,6689 | 0,9155 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,01 |
| Jun. 9 | 9,7025 | 0,9089 *n* | 0,5871 *n* | 1,2969 *n* | 9,6404 | + 0,01 |
| 19 | 9,7347 | 0,9053 *n* | 9,9062 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| 29 | 9,7648 | 0,9050 *n* | 0,3564 | 1,3033 *n* | 9,6915 | + 0,01 |
| Jul. 9 | 9,7924 | 0,9080 *n* | 0,7232 | 1,2882 *n* | 9,7150 | + 0,02 |
| 19 | 9,8174 | 0,9138 *n* | 0,9116 | 1,2600 *n* | 9,7373 | + 0,02 |
| 29 | 9,8395 | 0,9215 *n* | 1,0338 | 1,2168 *n* | 9,7585 | + 0,02 |
| Aug. 8 | 9,8589 | 0,9301 *n* | 1,1195 | 1,1551 *n* | 9,7787 | + 0,02 |
| 18 | 9,8758 | 0,9385 *n* | 1,1809 | 1,0683 *n* | 9,7980 | + 0,02 |
| 28 | 9,8905 | 0,9457 *n* | 1,2239 | 0,9432 *n* | 9,8164 | + 0,02 |
| Sept. 7 | 9,9035 | 0,9508 *n* | 1,2519 | 0,7469 *n* | 9,8342 | + 0,02 |
| 17 | 9,9152 | 0,9531 *n* | 1,2664 | 0,3457 *n* | 9,8512 | + 0,02 |
| 27 | 9,9262 | 0,9523 *n* | 1,2682 | 0,0907 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9371 | 0,9482 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,02 |
| 17 | 9,9484 | 0,9410 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,02 |
| 27 | 9,9605 | 0,9312 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,02 |
| Nov. 6 | 9,9736 | 0,9196 *n* | 1,1323 | 1,1414 | 9,9276 | + 0,02 |
| 16 | 9,9877 | 0,9073 *n* | 1,0468 | 1,2098 | 9,9414 | + 0,02 |
| 26 | 0,0027 | 0,8958 *n* | 0,9223 | 1,2574 | 9,9547 | + 0,02 |
| Dec. 6 | 0,0183 | 0,8862 *n* | 0,7257 | 1,2880 | 9,9677 | + 0,02 |
| 16 | 0,0341 | 0,8798 *n* | 0,3219 | 1,3037 | 9,9803 | + 0,02 |
| 26 | 0,0497 | 0,8774 *n* | 0,0758 *n* | 1,3056 | 9,9925 | + 0,02 |
| 36 | 0,0645 | 0,8790 *n* | 0,6478 *n* | 1,2937 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1803.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,1633 | 0,8779 *n* | 0,5096 *n* | 1,2999 | — ∞ | + 0,02 |
| 10 | 9,2642 | 0,8819 *n* | 0,8070 *n* | 1,2790 | 8,4362 | + 0,03 |
| 20 | 9,3419 | 0,8889 *n* | 0,9724 *n* | 1,2426 | 8,7373 | + 0,03 |
| 30 | 9,4028 | 0,8976 *n* | 1,0813 *n* | 1,1873 | 8,9134 | + 0,03 |
| Febr. 9 | 9,4513 | 0,9067 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,03 |
| 19 | 9,4904 | 0,9149 *n* | 1,2093 *n* | 0,9970 | 9,1352 | + 0,03 |
| Mart. 1 | 9,5228 | 0,9209 *n* | 1,2438 *n* | 0,8267 | 9,2144 | + 0,03 |
| 11 | 9,5504 | 0,9239 *n* | 1,2632 *n* | 0,5184 | 9,2813 | + 0,03 |
| 21 | 9,5752 | 0,9235 *n* | 1,2690 *n* | 9,2796 *n* | 9,3393 | + 0,03 |
| 31 | 9,5989 | 0,9195 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,02 |
| Apr. 10 | 9,6225 | 0,9121 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,02 |
| 20 | 9,6468 | 0,9019 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,02 |
| 30 | 9,6723 | 0,8895 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,02 |
| Maj. 10 | 9,6989 | 0,8761 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,02 |
| 20 | 9,7264 | 0,8628 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,02 |
| 30 | 9,7542 | 0,8510 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,7817 | 0,8417 *n* | 0,5871 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,8084 | 0,8359 *n* | 9,9061 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8337 | 0,8340 *n* | 0,3564 | 1,3033 *n* | 9,6915 | + 0,03 |
| Jul. 9 | 9,8571 | 0,8360 *n* | 0,7232 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8785 | 0,8413 *n* | 0,9116 | 1,2600 *n* | 9,7373 | + 0,03 |
| 29 | 9,8976 | 0,8488 *n* | 1,0338 | 1,2168 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9144 | 0,8575 *n* | 1,1195 | 1,1551 *n* | 9,7787 | + 0,04 |
| 18 | 9,9289 | 0,8660 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,04 |
| 28 | 9,9419 | 0,8731 *n* | 1,2239 | 0,9432 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9532 | 0,8778 *n* | 1,2519 | 0,7469 *n* | 9,8342 | + 0,04 |
| 17 | 9,9634 | 0,8792 *n* | 1,2664 | 0,3457 *n* | 9,8512 | + 0,03 |
| 27 | 9,9731 | 0,8769 *n* | 1,2682 | 0,0907 | 9,8676 | + 0,03 |
| Oct. 7 | 9,9827 | 0,8706 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| 17 | 9,9927 | 0,8605 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,03 |
| 27 | 0,0034 | 0,8473 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0150 | 0,8317 *n* | 1,1323 | 1,1414 | 9,9276 | + 0,03 |
| 16 | 0,0277 | 0,8151 *n* | 1,0468 | 1,2098 | 9,9414 | + 0,03 |
| 26 | 0,0412 | 0,7912 *n* | 0,9223 | 1,2574 | 9,9547 | + 0,03 |
| Dec. 6 | 0,0553 | 0,7855 *n* | 0,7257 | 1,2880 | 9,9677 | + 0,03 |
| 16 | 0,0697 | 0,7758 *n* | 0,3220 | 1,3037 | 9,9803 | + 0,04 |
| 26 | 0,0838 | 0,7710 *n* | 0,0757 *n* | 1,3056 | 9,9925 | + 0,04 |
| 36 | 0,0974 | 0,7715 *n* | 0,6478 *n* | 1,2937 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1804.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,3747 | 0,7707 *n* | 0,5096 *n* | 1,2999 | — ∞ | + 0″,04 |
| 11 | 9,4387 | 0,7741 *n* | 0,8069 *n* | 1,2790 | 8,4362 | + 0,04 |
| 21 | 9,4914 | 0,7815 *n* | 0,9724 *n* | 1,2426 | 8,7373 | + 0,04 |
| 31 | 9,5347 | 0,7911 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,04 |
| Febr. 10 | 9,5703 | 0,8012 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,04 |
| 20 | 9,5998 | 0,8101 *n* | 1,2093 *n* | 0,9970 | 9,1352 | + 0,04 |
| Mart. 1 | 9,6245 | 0,8163 *n* | 1,2438 *n* | 0,8267 | 9,2144 | + 0,04 |
| 11 | 9,6460 | 0,8187 *n* | 1,2632 *n* | 0,5185 | 9,2813 | + 0,04 |
| 21 | 9,6655 | 0,8168 *n* | 1,2690 *n* | 9,2794 *n* | 9,3393 | + 0,04 |
| 31 | 9,6842 | 0,8102 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,04 |
| Apr. 10 | 9,7032 | 0,7992 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| 20 | 9,7230 | 0,7844 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,04 |
| 30 | 9,7440 | 0,7665 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,04 |
| Maj. 10 | 9,7662 | 0,7470 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| 20 | 9,7894 | 0,7274 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| 30 | 9,8131 | 0,7094 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. 9 | 9,8368 | 0,6947 *n* | 0,5871 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| 19 | 9,8600 | 0,6847 *n* | 9,9060 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| 29 | 9,8821 | 0,6802 *n* | 0,3565 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,9028 | 0,6812 *n* | 0,7232 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9217 | 0,6870 *n* | 0,9116 | 1,2600 *n* | 9,7373 | + 0,05 |
| 29 | 9,9387 | 0,6961 *n* | 1,0338 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9537 | 0,7067 *n* | 1,1195 | 1,1551 *n* | 9,7787 | + 0,05 |
| 18 | 9,9668 | 0,7171 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,05 |
| 28 | 9,9782 | 0,7255 *n* | 1,2239 | 0,9432 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 9,9883 | 0,7305 *n* | 1,2519 | 0,7469 *n* | 9,8342 | + 0,05 |
| 17 | 9,9975 | 0,7310 *n* | 1,2664 | 0,3457 *n* | 9,8512 | + 0,05 |
| 27 | 0,0061 | 0,7262 *n* | 1,2682 | 0,0907 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0147 | 0,7157 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0237 | 0,6997 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,04 |
| 27 | 0,0333 | 0,6781 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0440 | 0,6538 *n* | 1,1323 | 1,1414 | 9,9276 | + 0,04 |
| 16 | 0,0555 | 0,6268 *n* | 1,0468 | 1,2098 | 9,9414 | + 0,04 |
| 26 | 0,0679 | 0,6001 *n* | 0,9223 | 1,2574 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0809 | 0,5763 *n* | 0,7257 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,0942 | 0,5584 *n* | 0,3220 | 1,3037 | 9,9803 | + 0,05 |
| 26 | 0,1073 | 0,5484 *n* | 0,0757 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1199 | 0,5471 *n* | 0,6478 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1805.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4828 | 0,5466 *n* | 0,5096 *n* | 1,2999 | — ∞ | + 0,05 |
| 10 | 9,5325 | 0,5503 *n* | 0,8069 *n* | 1,2790 | 8,4362 | + 0,05 |
| 20 | 9,5745 | 0,5605 *n* | 0,9724 *n* | 1,2426 | 8,7373 | + 0,05 |
| 30 | 9,6097 | 0,5745 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,05 |
| Febr. 9 | 9,6391 | 0,5892 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,05 |
| 19 | 9,6635 | 0,6019 *n* | 1,2093 *n* | 0,9970 | 9,1352 | + 0,05 |
| Mart. 1 | 9,6843 | 0,6101 *n* | 1,2438 *n* | 0,8267 | 9,2144 | + 0,05 |
| 11 | 9,7023 | 0,6124 *n* | 1,2632 *n* | 0,5185 | 9,2813 | + 0,05 |
| 21 | 9,7188 | 0,6077 *n* | 1,2690 *n* | 9,2793 *n* | 9,3393 | + 0,05 |
| 31 | 9,7348 | 0,5954 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7511 | 0,5755 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| 20 | 9,7682 | 0,5485 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| 30 | 9,7865 | 0,5154 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,8061 | 0,4779 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,05 |
| 20 | 9,8268 | 0,4385 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| 30 | 9,8481 | 0,4004 *n* | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8695 | 0,3674 *n* | 0,5871 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8905 | 0,3432 *n* | 9,9059 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9108 | 0,3307 *n* | 0,3565 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9297 | 0,3303 *n* | 0,7232 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9470 | 0,3405 *n* | 0,9116 | 1,2600 *n* | 9,7373 | + 0,06 |
| 29 | 9,9626 | 0,3581 *n* | 1,0338 | 1,2168 *n* | 9,7585 | + 0,06 |
| Aug. 8 | 9,9764 | 0,3787 *n* | 1,1195 | 1,1551 *n* | 9,7787 | + 0,06 |
| 18 | 9,9885 | 0,3984 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,06 |
| 28 | 9,9990 | 0,4137 *n* | 1,2239 | 0,9432 *n* | 9,8164 | + 0,06 |
| Sept. 7 | 0,0082 | 0,4220 *n* | 1,2519 | 0,7469 *n* | 9,8342 | + 0,06 |
| 17 | 0,0166 | 0,4211 *n* | 1,2664 | 0,3457 *n* | 9,8512 | + 0,05 |
| 27 | 0,0245 | 0,4093 *n* | 1,2682 | 0,0908 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0323 | 0,3854 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0406 | 0,3483 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,05 |
| 27 | 0,0495 | 0,2973 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0594 | 0,2321 *n* | 1,1323 | 1,1414 | 9,9276 | + 0,05 |
| 16 | 0,0702 | 0,1537 *n* | 1,0468 | 1,2098 | 9,9414 | + 0,05 |
| 26 | 0,0819 | 0,0651 *n* | 0,9223 | 1,2574 | 9,9547 | + 0,05 |
| Dec. 6 | 0,0942 | 9,9733 *n* | 0,7257 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,1067 | 9,8914 *n* | 0,3221 | 1,3037 | 9,9803 | + 0,05 |
| 26 | 0,1191 | 9,8371 *n* | 0,0756 *n* | 1,3056 | 9,9925 | + 0,06 |
| 36 | 0,1311 | 9,8241 *n* | 0,6478 *n* | 1,2937 | 0,0044 | + 0,06 |

# Tabula VIII.

## 1806.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,5298 | 9,8239 *n* | 0,5095 *n* | 1,2999 | — ∞ | + 0,06 |
| | 10 | 9,5735 | 9,8373 *n* | 0,8069 *n* | 1,2790 | 8,4362 | + 0,06 |
| | 20 | 9,6108 | 9,8829 *n* | 0,9724 *n* | 1,2426 | 8,7373 | + 0,06 |
| | 30 | 9,6424 | 9,9417 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,06 |
| Febr. | 9 | 9,6688 | 9,9981 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,06 |
| | 19 | 9,6908 | 0,0424 *n* | 1,2093 *n* | 0,9970 | 9,1352 | + 0,06 |
| Mart. | 1 | 9,7095 | 0,0689 *n* | 1,2438 *n* | 0,8267 | 9,2144 | + 0,06 |
| | 11 | 9,7257 | 0,0741 *n* | 1,2632 *n* | 0,5185 | 9,2813 | + 0,06 |
| | 21 | 9,7406 | 0,0547 *n* | 1,2690 *n* | 9,2792 *n* | 9,3393 | + 0,05 |
| | 31 | 9,7550 | 0,0061 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,05 |
| Apr. | 10 | 9,7698 | 9,9197 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| | 20 | 9,7856 | 9,7766 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| | 30 | 9,8025 | 9,5213 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. | 10 | 9,8208 | 8,7416 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,05 |
| | 20 | 9,8401 | 9,3252 | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| | 30 | 9,8602 | 9,6508 | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8805 | 9,8038 | 0,5871 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| | 19 | 9,9005 | 9,8850 | 9,9058 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| | 29 | 9,9197 | 9,9217 | 0,3565 | 1,3033 *n* | 9,6915 | + 0,06 |
| Jul. | 9 | 9,9377 | 9,9250 | 0,7233 | 1,2882 *n* | 9,7150 | + 0,06 |
| | 19 | 9,9543 | 9,9001 | 0,9116 | 1,2600 *n* | 9,7373 | + 0,06 |
| | 29 | 9,9692 | 9,8503 | 1,0338 | 1,2168 *n* | 9,7585 | + 0,06 |
| Aug. | 8 | 9,9823 | 9,7790 | 1,1195 | 1,1551 *n* | 9,7787 | + 0,06 |
| | 18 | 9,9937 | 9,6934 | 1,1809 | 1,0682 *n* | 9,7980 | + 0,06 |
| | 28 | 0,0037 | 9,6095 | 1,2239 | 0,9432 *n* | 9,8164 | + 0,06 |
| Sept. | 7 | 0,0124 | 9,5563 | 1,2519 | 0,7469 *n* | 9,8342 | + 0,06 |
| | 17 | 0,0202 | 9,5662 | 1,2664 | 0,3457 *n* | 9,8512 | + 0,05 |
| | 27 | 0,0276 | 9,6447 | 1,2682 | 0,0908 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0350 | 9,7641 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| | 17 | 0,0428 | 9,8931 | 1,2324 | 0,9019 | 9,8986 | + 0,05 |
| | 27 | 0,0513 | 0,0131 | 1,1920 | 1,0442 | 9,9134 | + 0,05 |
| Nov. | 6 | 0,0608 | 0,1167 | 1,1323 | 1,1414 | 9,9276 | + 0,05 |
| | 16 | 0,0712 | 0,2018 | 1,0468 | 1,2098 | 9,9414 | + 0,05 |
| | 26 | 0,0825 | 0,2684 | 0,9223 | 1,2574 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0943 | 0,3175 | 0,7257 | 1,2880 | 9,9677 | + 0,05 |
| | 16 | 0,1065 | 0,3501 | 0,3221 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1186 | 0,3676 | 0,0755 *n* | 1,3056 | 9,9925 | + 0,05 |
| | 36 | 0,1303 | 0,3713 | 0,6478 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1807.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,5270 | 0,3714 | 0,5095 *n* | 1,2999 | — ∞ | + 0,05 |
| 10 | 9,5697 | 0,3674 | 0,8069 *n* | 1,2790 | 8,4362 | + 0,06 |
| 20 | 9,6063 | 0,3529 | 0,9724 *n* | 1,2426 | 8,7373 | + 0,06 |
| 30 | 9,6372 | 0,3309 | 1,0813 *n* | 1,1878 | 8,9134 | + 0,06 |
| Febr. 9 | 9,6629 | 0,3054 | 1,1569 *n* | 1,1094 | 9,0383 | + 0,06 |
| 19 | 9,6843 | 0,2816 | 1,2093 *n* | 0,9970 | 9,1352 | + 0,06 |
| Mart. 1 | 9,7023 | 0,2651 | 1,2438 *n* | 0,8267 | 9,2144 | + 0,06 |
| 11 | 9,7180 | 0,2613 | 1,2632 *n* | 0,5185 | 9,2813 | + 0,05 |
| 21 | 9,7323 | 0,2729 | 1,2690 *n* | 9,2791 *n* | 9,3393 | + 0,05 |
| 31 | 9,7462 | 0,2994 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7605 | 0,3370 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| 20 | 9,7758 | 0,3808 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| 30 | 9,7924 | 0,4259 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,8104 | 0,4683 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,05 |
| 20 | 9,8295 | 0,5055 | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| 30 | 9,8495 | 0,5359 | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8696 | 0,5587 | 0,5870 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8895 | 0,5736 | 9,9057 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9087 | 0,5808 | 0,3566 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9267 | 0,5810 | 0,7233 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9431 | 0,5750 | 0,9116 | 1,2600 *n* | 9,7373 | + 0,05 |
| 29 | 9,9579 | 0,5643 | 1,0338 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9709 | 0,5507 | 1,1195 | 1,1550 *n* | 9,7787 | + 0,05 |
| 18 | 9,9822 | 0,5366 | 1,1809 | 1,0682 *n* | 9,7980 | + 0,05 |
| 28 | 9,9918 | 0,5247 | 1,2239 | 0,9431 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 0,0004 | 0,5178 | 1,2519 | 0,7468 *n* | 9,8342 | + 0,05 |
| 17 | 0,0080 | 0,5180 | 1,2664 | 0,3456 *n* | 9,8512 | + 0,05 |
| 27 | 0,0152 | 0,5266 | 1,2682 | 0,0908 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0224 | 0,5433 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0300 | 0,5667 | 1,2324 | 0,9019 | 9,8986 | + 0,05 |
| 27 | 0,0384 | 0,5943 | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0477 | 0,6231 | 1,1323 | 1,1414 | 9,9276 | + 0,04 |
| 16 | 0,0581 | 0,6506 | 1,0468 | 1,2098 | 9,9414 | + 0,04 |
| 26 | 0,0693 | 0,6748 | 0,9223 | 1,2574 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0812 | 0,6939 | 0,7257 | 1,2880 | 9,9677 | + 0,04 |
| 16 | 0,0934 | 0,7071 | 0,3221 | 1,3037 | 9,9803 | + 0,05 |
| 26 | 0,1055 | 0,7141 | 0,0755 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1172 | 0,7150 | 0,6478 *n* | 1,2937 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1808.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,4726 | 0,7153 | 0,5095 *n* | 1,2999 | — ∞ | + 0,05 |
| 11 | 9,5194 | 0,7127 | 0,8069 *n* | 1,2790 | 8,4362 | + 0,05 |
| 21 | 9,5591 | 0,7054 | 0,9724 *n* | 1,2426 | 8,7373 | + 0,05 |
| 31 | 9,5922 | 0,6949 | 1,0813 *n* | 1,1878 | 8,9134 | + 0,05 |
| Febr. 10 | 9,6196 | 0,6831 | 1,1569 *n* | 1,1094 | 9,0383 | + 0,05 |
| 20 | 9,6423 | 0,6722 | 1,2093 *n* | 0,9970 | 9,1352 | + 0,05 |
| Mart. 1 | 9,6612 | 0,6646 | 1,2438 *n* | 0,8267 | 9,2144 | + 0,05 |
| 11 | 9,6775 | 0,6620 | 1,2632 *n* | 0,5185 | 9,2813 | + 0,05 |
| 21 | 9,6923 | 0,6656 | 1,2690 *n* | 9,2789 *n* | 9,3393 | + 0,04 |
| 31 | 9,7067 | 0,6755 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,04 |
| Apr. 10 | 9,7215 | 0,6907 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| 20 | 9,7375 | 0,7096 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,04 |
| 30 | 9,7549 | 0,7303 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,04 |
| Maj. 10 | 9,7738 | 0,7509 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| 20 | 9,7939 | 0,7697 | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| 30 | 9,8148 | 0,7856 | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. 9 | 9,8361 | 0,7976 | 0,5870 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| 19 | 9,8570 | 0,8054 | 9,9056 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| 29 | 9,8771 | 0,8087 | 0,3566 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8958 | 0,8079 | 0,7233 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,9130 | 0,8033 | 0,9116 | 1,2600 *n* | 9,7373 | + 0,04 |
| 29 | 9,9276 | 0,7960 | 1,0338 | 1,2168 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9418 | 0,7871 | 1,1195 | 1,1550 *n* | 9,7787 | + 0,04 |
| 18 | 9,9534 | 0,7779 | 1,1809 | 1,0682 *n* | 9,7980 | + 0,04 |
| 28 | 9,9634 | 0,7700 | 1,2239 | 0,9431 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9720 | 0,7649 | 1,2519 | 0,7468 *n* | 9,8342 | + 0,04 |
| 17 | 9,9798 | 0,7638 | 1,2664 | 0,3456 *n* | 9,8512 | + 0,04 |
| 27 | 9,9870 | 0,7656 | 1,2682 | 0,0908 | 9,8676 | + 0,04 |
| Oct. 7 | 9,9943 | 0,7761 | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0021 | 0,7888 | 1,2324 | 0,9019 | 9,8986 | + 0,04 |
| 27 | 0,0106 | 0,8043 | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0202 | 0,8212 | 1,1323 | 1,1414 | 9,9276 | + 0,03 |
| 16 | 0,0309 | 0,8378 | 1,0468 | 1,2098 | 9,9414 | + 0,03 |
| 26 | 0,0425 | 0,8526 | 0,9223 | 1,2574 | 9,9547 | + 0,03 |
| Dec. 6 | 0,0548 | 0,8644 | 0,7258 | 1,2880 | 9,9677 | + 0,03 |
| 16 | 0,0675 | 0,8723 | 0,3222 | 1,3037 | 9,9803 | + 0,03 |
| 26 | 0,0800 | 0,8761 | 0,0754 *n* | 1,3056 | 9,9925 | + 0,04 |
| 36 | 0,0921 | 0,8756 | 0,6477 *n* | 1,2937 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1809.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,3494 | 0,8763 | 0,5095 *n* | 1,2999 | — ∞ | + 0″,04 |
| 10 | 9,4091 | 0,8734 | 0,8069 *n* | 1,2790 | 8,4362 | + 0,04 |
| 20 | 9,4584 | 0,8673 | 0,9724 *n* | 1,2426 | 8,7373 | + 0,04 |
| 30 | 9,4987 | 0,8589 | 1,0813 *n* | 1,1878 | 8,9134 | + 0,04 |
| Febr. 9 | 9,5314 | 0,8497 | 1,1569 *n* | 1,1094 | 9,0383 | + 0,04 |
| 19 | 9,5580 | 0,8412 | 1,2093 *n* | 0,9970 | 9,1352 | + 0,04 |
| Mart. 1 | 9,5800 | 0,8348 | 1,2438 *n* | 0,8267 | 9,2144 | + 0,04 |
| 11 | 9,5987 | 0,8318 | 1,2632 *n* | 0,5185 | 9,2813 | + 0,03 |
| 21 | 9,6156 | 0,8330 | 1,2690 *n* | 9,2788 *n* | 9,3393 | + 0,03 |
| 31 | 9,6319 | 0,8385 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6488 | 0,8477 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,03 |
| 20 | 9,6669 | 0,8598 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,03 |
| 30 | 9,6866 | 0,8733 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7080 | 0,8871 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,03 |
| 20 | 9,7307 | 0,8998 | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,03 |
| 30 | 9,7543 | 0,9105 | 0,8340 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,7781 | 0,9184 | 0,5870 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,8014 | 0,9232 | 9,9055 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8237 | 0,9246 | 0,3567 | 1,3033 *n* | 9,6915 | + 0,03 |
| Jul. 9 | 9,8445 | 0,9228 | 0,7233 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8633 | 0,9182 | 0,9116 | 1,2600 *n* | 9,7373 | + 0,03 |
| 29 | 9,8801 | 0,9115 | 1,0338 | 1,2168 *n* | 9,7585 | + 0,03 |
| Aug. 8 | 9,8947 | 0,9034 | 1,1195 | 1,1550 *n* | 9,7787 | + 0,03 |
| 18 | 9,9073 | 0,8951 | 1,1809 | 1,0682 *n* | 9,7980 | + 0,03 |
| 28 | 9,9180 | 0,8878 | 1,2239 | 0,9431 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9273 | 0,8827 | 1,2519 | 0,7468 *n* | 9,8342 | + 0,03 |
| 17 | 9,9355 | 0,8805 | 1,2664 | 0,3456 *n* | 9,8512 | + 0,02 |
| 27 | 9,9433 | 0,8821 | 1,2682 | 0,0908 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9510 | 0,8873 | 1,2572 | 0,6688 | 9,8834 | + 0,02 |
| 17 | 9,9592 | 0,8959 | 1,2324 | 0,9019 | 9,8986 | + 0,02 |
| 27 | 9,9684 | 0,9068 | 1,1920 | 1,0442 | 9,9134 | + 0,02 |
| Nov. 6 | 9,9787 | 0,9190 | 1,1323 | 1,1414 | 9,9276 | + 0,02 |
| 16 | 9,9901 | 0,9311 | 1,0468 | 1,2098 | 9,9414 | + 0,02 |
| 26 | 0,0026 | 0,9418 | 0,9224 | 1,2574 | 9,9547 | + 0,02 |
| Dec. 6 | 0,0159 | 0,9503 | 0,7258 | 1,2880 | 9,9677 | + 0,02 |
| 16 | 0,0294 | 0,9556 | 0,3222 | 1,3037 | 9,9803 | + 0,02 |
| 26 | 0,0429 | 0,9575 | 0,0753 *n* | 1,3056 | 9,9925 | + 0,02 |
| 36 | 0,0558 | 0,9560 | 0,6477 *n* | 1,2937 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1810.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,0960 | 0,9570 | 0,5094 *n* | 1,2999 | — ∞ | + 0,02 |
| 10 | 9,1964 | 0,9534 | 0,8069 *n* | 1,2790 | 8,4362 | + 0,02 |
| 20 | 9,2730 | 0,9471 | 0,9724 *n* | 1,2426 | 8,7373 | + 0,02 |
| 30 | 9,3322 | 0,9389 | 1,0813 *n* | 1,1878 | 8,9134 | + 0,02 |
| Febr. 9 | 9,3785 | 0,9299 | 1,1569 *n* | 1,1094 | 9,0383 | + 0,02 |
| 19 | 9,4150 | 0,9215 | 1,2093 *n* | 0,9970 | 9,1352 | + 0,02 |
| Mart. 1 | 9,4444 | 0,9149 | 1,2438 *n* | 0,8267 | 9,2144 | + 0,02 |
| 11 | 9,4690 | 0,9110 | 1,2632 *n* | 0,5185 | 9,2813 | + 0,02 |
| 21 | 9,4910 | 0,9107 | 1,2690 *n* | 9,2787 *n* | 9,3393 | + 0,02 |
| 31 | 9,5120 | 0,9139 | 1,2619 *n* | 0,5629 *n* | 9,3905 | + 0,01 |
| Apr. 10 | 9,5335 | 0,9203 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,01 |
| 20 | 9,5564 | 0,9292 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,01 |
| 30 | 9,5812 | 0,9395 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,01 |
| Maj. 10 | 9,6078 | 0,9500 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,01 |
| 20 | 9,6358 | 0,9598 | 0,9823 *n* | 1,2391 *n* | 9,5824 | + 0,01 |
| 30 | 9,6645 | 0,9679 | 0,8339 *n* | 1,2751 *n* | 9,6123 | + 0,01 |
| Jun. 9 | 9,6932 | 0,9736 | 0,5870 *n* | 1,2969 *n* | 9,6404 | + 0,01 |
| 19 | 9,7211 | 0,9766 | 9,9054 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| 29 | 9,7475 | 0,9766 | 0,3567 | 1,3033 *n* | 9,6915 | + 0,01 |
| Jul. 9 | 9,7719 | 0,9738 | 0,7233 | 1,2882 *n* | 9,7150 | + 0,01 |
| 19 | 9,7938 | 0,9684 | 0,9116 | 1,2600 *n* | 9,7373 | + 0,01 |
| 29 | 9,8132 | 0,9611 | 1,0338 | 1,2168 *n* | 9,7585 | + 0,01 |
| Aug. 8 | 9,8300 | 0,9526 | 1,1195 | 1,1550 *n* | 9,7787 | + 0,01 |
| 18 | 9,8443 | 0,9439 | 1,1809 | 1,0682 *n* | 9,7980 | + 0,01 |
| 28 | 9,8565 | 0,9360 | 1,2239 | 0,9431 *n* | 9,8164 | + 0,01 |
| Sept. 7 | 9,8670 | 0,9300 | 1,2519 | 0,7468 *n* | 9,8342 | + 0,01 |
| 17 | 9,8762 | 0,9266 | 1,2664 | 0,3456 *n* | 9,8512 | + 0,01 |
| 27 | 9,8849 | 0,9266 | 1,2682 | 0,0908 | 9,8676 | 0,00 |
| Oct. 7 | 9,8936 | 0,9299 | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| 17 | 9,9029 | 0,9363 | 1,2324 | 0,9019 | 9,8986 | 0,00 |
| 27 | 9,9131 | 0,9449 | 1,1920 | 1,0442 | 9,9134 | 0,00 |
| Nov. 6 | 9,9246 | 0,9547 | 1,1323 | 1,1414 | 9,9276 | 0,00 |
| 16 | 9,9374 | 0,9645 | 1,0468 | 1,2098 | 9,9414 | 0,00 |
| 26 | 9,9514 | 0,9732 | 0,9224 | 1,2574 | 9,9547 | 0,00 |
| Dec. 6 | 9,9662 | 0,9798 | 0,7258 | 1,2880 | 9,9677 | 0,00 |
| 16 | 9,9813 | 0,9835 | 0,3222 | 1,3037 | 9,9803 | 0,00 |
| 26 | 9,9962 | 0,9840 | 0,0753 *n* | 1,3056 | 9,9925 | 0,00 |
| 36 | 0,0105 | 0,9813 | 0,6477 *n* | 1,2937 | 0,0044 | 0,00 |

# Tabula VIII.

## 1811.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 8,0814 | 0,9827 | 0,5094 *n* | 1,2999 | — ∞ | 0,00 |
| | 10 | 8,6466 | 0,9780 | 0,8069 *n* | 1,2790 | 8,4362 | 0,00 |
| | 20 | 8,8716 | 0,9707 | 0,9724 *n* | 1,2426 | 8,7373 | 0,00 |
| | 30 | 9,0071 | 0,9616 | 1,0813 *n* | 1,1878 | 8,9134 | 0,00 |
| Febr. | 9 | 9,0992 | 0,9518 | 1,1569 *n* | 1,1094 | 9,0383 | 0,00 |
| | 19 | 9,1657 | 0,9424 | 1,2093 *n* | 0,9971 | 9,1352 | 0,00 |
| Mart. | 1 | 9,2162 | 0,9346 | 1,2438 *n* | 0,8267 | 9,2144 | 0,00 |
| | 11 | 9,2568 | 0,9295 | 1,2632 *n* | 0,5185 | 9,2813 | 0,00 |
| | 21 | 9,2917 | 0,9276 | 1,2690 *n* | 9,2786 *n* | 9,3393 | 0,00 |
| | 31 | 9,3243 | 0,9293 | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,01 |
| Apr. | 10 | 9,3569 | 0,9340 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,01 |
| | 20 | 9,3907 | 0,9412 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,01 |
| | 30 | 9,4264 | 0,9498 | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,01 |
| Maj. | 10 | 9,4638 | 0,9587 | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,01 |
| | 20 | 9,5022 | 0,9670 | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,01 |
| | 30 | 9,5408 | 0,9736 | 0,8339 *n* | 1,2751 *n* | 9,6123 | — 0,01 |
| Jun. | 9 | 9,5785 | 0,9779 | 0,5870 *n* | 1,2969 *n* | 9,6404 | — 0,01 |
| | 19 | 9,6145 | 0,9796 | 9,9053 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| | 29 | 9,6479 | 0,9783 | 0,3567 | 1,3033 *n* | 9,6915 | — 0,01 |
| Jul. | 9 | 9,6783 | 0,9741 | 0,7233 | 1,2882 *n* | 9,7150 | — 0,01 |
| | 19 | 9,7054 | 0,9674 | 0,9117 | 1,2600 *n* | 9,7373 | — 0,01 |
| | 29 | 9,7290 | 0,9587 | 1,0338 | 1,2168 *n* | 9,7585 | — 0,01 |
| Aug. | 8 | 9,7493 | 0,9488 | 1,1195 | 1,1550 *n* | 9,7787 | — 0,01 |
| | 18 | 9,7665 | 0,9385 | 1,1809 | 1,0682 *n* | 9,7980 | — 0,01 |
| | 28 | 9,7811 | 0,9290 | 1,2239 | 0,9431 *n* | 9,8164 | — 0,01 |
| Sept. | 7 | 9,7936 | 0,9214 | 1,2519 | 0,7468 *n* | 9,8342 | — 0,01 |
| | 17 | 9,8046 | 0,9165 | 1,2664 | 0,3456 *n* | 9,8512 | — 0,01 |
| | 27 | 9,8148 | 0,9149 | 1,2682 | 0,0908 | 9,8676 | — 0,01 |
| Oct. | 7 | 9,8251 | 0,9168 | 1,2572 | 0,6688 | 9,8834 | — 0,01 |
| | 17 | 9,8360 | 0,9219 | 1,2324 | 0,9019 | 9,8986 | — 0,02 |
| | 27 | 9,8480 | 0,9294 | 1,1920 | 1,0442 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8614 | 0,9381 | 1,1323 | 1,1413 | 9,9276 | — 0,02 |
| | 16 | 9,8762 | 0,9464 | 1,0468 | 1,2098 | 9,9414 | — 0,02 |
| | 26 | 9,8924 | 0,9545 | 0,9224 | 1,2574 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,9093 | 0,9600 | 0,7258 | 1,2880 | 9,9677 | — 0,02 |
| | 16 | 9,9266 | 0,9626 | 0,3223 | 1,3037 | 9,9803 | — 0,02 |
| | 26 | 9,9436 | 0,9618 | 0,0752 *n* | 1,3056 | 9,9925 | — 0,02 |
| | 36 | 9,9597 | 0,9575 | 0,6477 *n* | 1,2937 | 0,0044 | — 0,02 |

# Tabula VIII.

## 1812.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,0043 *n* | 0,9595 | 0,5094 *n* | 1,2999 | — ∞ | —0,02″ |
| 11 | 8,8360 *n* | 0,9533 | 0,8069 *n* | 1,2790 | 8,4362 | —0,02 |
| 21 | 8,5866 *n* | 0,9441 | 0,9724 *n* | 1,2426 | 8,7373 | —0,02 |
| 31 | 8,0338 *n* | 0,9330 | 1,0813 *n* | 1,1878 | 8,9134 | —0,02 |
| Febr. 10 | 8,1271 | 0,9210 | 1,1569 *n* | 1,1094 | 9,0383 | —0,02 |
| 20 | 8,5369 | 0,9094 | 1,2093 *n* | 0,9971 | 9,1352 | —0,02 |
| Mart. 1 | 8,7221 | 0,8995 | 1,2438 *n* | 0,8267 | 9,2144 | —0,02 |
| 11 | 8,8394 | 0,8923 | 1,2632 *n* | 0,5185 | 9,2813 | —0,02 |
| 21 | 8,9268 | 0,8888 | 1,2690 *n* | 9,2785 *n* | 9,3393 | —0,02 |
| 31 | 9,0000 | 0,8890 | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,02 |
| Apr. 10 | 9,0670 | 0,8926 | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,03 |
| 20 | 9,1316 | 0,8990 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,03 |
| 30 | 9,1952 | 0,9070 | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,03 |
| Maj. 10 | 9,2578 | 0,9154 | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,03 |
| 20 | 9,3187 | 0,9230 | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,03 |
| 30 | 9,3768 | 0,9281 | 0,8339 *n* | 1,2751 *n* | 9,6123 | —0,03 |
| Jun. 9 | 9,4314 | 0,9324 | 0,5870 *n* | 1,2969 *n* | 9,6404 | —0,03 |
| 19 | 9,4815 | 0,9328 | 9,9052 *n* | 1,3061 *n* | 9,6667 | —0,03 |
| 29 | 9,5268 | 0,9300 | 0,3568 | 1,3033 *n* | 9,6915 | —0,03 |
| Jul. 9 | 9,5670 | 0,9240 | 0,7234 | 1,2882 *n* | 9,7150 | —0,02 |
| 19 | 9,6020 | 0,9150 | 0,9117 | 1,2600 *n* | 9,7373 | —0,02 |
| 29 | 9,6322 | 0,9037 | 1,0338 | 1,2168 *n* | 9,7585 | —0,02 |
| Aug. 8 | 9,6578 | 0,8909 | 1,1195 | 1,1550 *n* | 9,7787 | —0,02 |
| 18 | 9,6793 | 0,8776 | 1,1809 | 1,0682 *n* | 9,7980 | —0,02 |
| 28 | 9,6975 | 0,8651 | 1,2239 | 0,9431 *n* | 9,8164 | —0,02 |
| Sept. 7 | 9,7132 | 0,8547 | 1,2519 | 0,7468 *n* | 9,8342 | —0,03 |
| 17 | 9,7264 | 0,8473 | 1,2664 | 0,3456 *n* | 9,8512 | —0,03 |
| 27 | 9,7391 | 0,8439 | 1,2682 | 0,0909 | 9,8676 | —0,03 |
| Oct. 7 | 9,7516 | 0,8445 | 1,2572 | 0,6688 | 9,8834 | —0,03 |
| 17 | 9,7648 | 0,8489 | 1,2324 | 0,9019 | 9,8986 | —0,03 |
| 27 | 9,7792 | 0,8561 | 1,1920 | 1,0442 | 9,9134 | —0,04 |
| Nov. 6 | 9,7952 | 0,8648 | 1,1323 | 1,1413 | 9,9276 | —0,04 |
| 16 | 9,8128 | 0,8737 | 1,0468 | 1,2098 | 9,9414 | —0,04 |
| 26 | 9,8317 | 0,8813 | 0,9224 | 1,2574 | 9,9547 | —0,04 |
| Dec. 6 | 9,8515 | 0,8864 | 0,7258 | 1,2880 | 9,9677 | —0,03 |
| 16 | 9,8714 | 0,8880 | 0,3223 | 1,3037 | 9,9803 | —0,03 |
| 26 | 9,8910 | 0,8856 | 0,0751 *n* | 1,3056 | 9,9925 | —0,03 |
| 36 | 9,9094 | 0,8791 | 0,6477 *n* | 1,2937 | 0,0044 | —0,03 |

# Tabula VIII.

## 1813.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,3028 *n* | 0,8821 | 0,5094 *n* | 1,2999 | — ∞ | —″0,03 |
| 10 | 9,2249 *n* | 0,8731 | 0,8068 *n* | 1,2790 | 8,4362 | —0,03 |
| 20 | 9,1367 *n* | 0,8606 | 0,9724 *n* | 1,2426 | 8,7373 | —0,03 |
| 30 | 9,0374 *n* | 0,8456 | 1,0813 *n* | 1,1878 | 8,9134 | —0,03 |
| Febr. 9 | 8,9254 *n* | 0,8293 | 1,1569 *n* | 1,1094 | 9,0383 | —0,03 |
| 19 | 8,7966 *n* | 0,8133 | 1,2093 *n* | 0,9971 | 9,1352 | —0,03 |
| Mart. 1 | 8,6408 *n* | 0,7991 | 1,2438 *n* | 0,8267 | 9,2144 | —0,03 |
| 11 | 8,4278 *n* | 0,7885 | 1,2632 *n* | 0,5186 | 9,2813 | —0,03 |
| 21 | 8,0326 *n* | 0,7822 | 1,2690 *n* | 9,2783 *n* | 9,3393 | —0,04 |
| 31 | 7,7267 | 0,7808 | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,04 |
| Apr. 10 | 8,3547 | 0,7838 | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,04 |
| 20 | 8,6229 | 0,7903 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,04 |
| 30 | 8,8058 | 0,7990 | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,04 |
| Maj. 10 | 8,9508 | 0,8081 | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,04 |
| 20 | 9,0674 | 0,8164 | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,04 |
| 30 | 9,1682 | 0,8225 | 0,8339 *n* | 1,2751 *n* | 9,6123 | —0,04 |
| Jun. 9 | 9,2549 | 0,8254 | 0,5869 *n* | 1,2969 *n* | 9,6404 | —0,04 |
| 19 | 9,3295 | 0,8244 | 9,9051 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| 29 | 9,3936 | 0,8194 | 0,3568 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. 9 | 9,4484 | 0,8101 | 0,7234 | 1,2882 *n* | 9,7150 | —0,04 |
| 19 | 9,4949 | 0,7969 | 0,9117 | 1,2600 *n* | 9,7373 | —0,04 |
| 29 | 9,5340 | 0,7804 | 1,0338 | 1,2168 *n* | 9,7585 | —0,04 |
| Aug. 8 | 9,5667 | 0,7617 | 1,1195 | 1,1550 *n* | 9,7787 | —0,04 |
| 18 | 9,5939 | 0,7421 | 1,1809 | 1,0682 *n* | 9,7980 | —0,04 |
| 28 | 9,6167 | 0,7232 | 1,2239 | 0,9431 *n* | 9,8164 | —0,04 |
| Sept. 7 | 9,6359 | 0,7068 | 1,2519 | 0,7468 *n* | 9,8342 | —0,04 |
| 17 | 9,6527 | 0,6946 | 1,2664 | 0,3456 *n* | 9,8512 | —0,04 |
| 27 | 9,6684 | 0,6879 | 1,2682 | 0,0909 | 9,8676 | —0,04 |
| Oct. 7 | 9,6837 | 0,6870 | 1,2572 | 0,6688 | 9,8834 | —0,05 |
| 17 | 9,6998 | 0,6915 | 1,2324 | 0,9019 | 9,8986 | —0,05 |
| 27 | 9,7171 | 0,7001 | 1,1920 | 1,0442 | 9,9134 | —0,05 |
| Nov. 6 | 9,7362 | 0,7109 | 1,1323 | 1,1413 | 9,9276 | —0,05 |
| 16 | 9,7568 | 0,7219 | 1,0468 | 1,2098 | 9,9414 | —0,05 |
| 26 | 9,7789 | 0,7311 | 0,9224 | 1,2574 | 9,9547 | —0,05 |
| Dec. 6 | 9,8017 | 0,7367 | 0,7258 | 1,2880 | 9,9677 | —0,05 |
| 16 | 9,8245 | 0,7375 | 0,3223 | 1,3037 | 9,9803 | —0,05 |
| 26 | 9,8467 | 0,7326 | 0,0751 *n* | 1,3056 | 9,9925 | —0,05 |
| 36 | 9,8676 | 0,7218 | 0,6477 *n* | 1,2937 | 0,0044 | —0,04 |

# Tabula VIII.

## 1814.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4404 *n* | 0,7266 | 0,5093 *n* | 1,2999 | — ∞ | — 0,04 |
| 10 | 9,3836 *n* | 0,7121 | 0,8068 *n* | 1,2790 | 8,4362 | — 0,04 |
| 20 | 9,3226 *n* | 0,6923 | 0,9724 *n* | 1,2426 | 8,7373 | — 0,04 |
| 30 | 9,2586 *n* | 0,6683 | 1,0813 *n* | 1,1878 | 8,9134 | — 0,04 |
| Febr. 9 | 9,1925 *n* | 0,6418 | 1,1569 *n* | 1,1094 | 9,0383 | — 0,04 |
| 19 | 9,1249 *n* | 0,6150 | 1,2093 *n* | 0,9971 | 9,1352 | — 0,04 |
| Mart. 1 | 9,0553 *n* | 0,5906 | 1,2438 *n* | 0,8267 | 9,2144 | — 0,04 |
| 11 | 8,9814 *n* | 0,5712 | 1,2632 *n* | 0,5186 | 9,2813 | — 0,05 |
| 21 | 8,8973 *n* | 0,5588 | 1,2690 *n* | 9,2782 *n* | 9,3393 | — 0,05 |
| 31 | 8,7920 *n* | 0,5544 | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,6414 *n* | 0,5575 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,05 |
| 20 | 8,3727 *n* | 0,5665 | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,05 |
| 30 | 6,8573 *n* | 0,5790 | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 8,3999 | 0,5924 | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,05 |
| 20 | 8,7317 | 0,6042 | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 8,9310 | 0,6124 | 0,8339 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,0746 | 0,6155 | 0,5869 *n* | 1,2969 *n* | 9,6404 | — 0,05 |
| 19 | 9,1857 | 0,6125 | 9,9050 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,2747 | 0,6029 | 0,3568 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3472 | 0,5855 | 0,7234 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,4067 | 0,5615 | 0,9117 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4556 | 0,5310 | 1,0338 | 1,2168 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,4958 | 0,4953 | 1,1195 | 1,1550 *n* | 9,7787 | — 0,05 |
| 18 | 9,5288 | 0,4563 | 1,1809 | 1,0682 *n* | 9,7980 | — 0,05 |
| 28 | 9,5562 | 0,4168 | 1,2239 | 0,9431 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5794 | 0,3807 | 1,2519 | 0,7468 *n* | 9,8342 | — 0,05 |
| 17 | 9,5996 | 0,3520 | 1,2664 | 0,3455 *n* | 9,8512 | — 0,05 |
| 27 | 9,6182 | 0,3345 | 1,2682 | 0,0909 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6363 | 0,3299 | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6551 | 0,3377 | 1,2324 | 0,9019 | 9,8986 | — 0,05 |
| 27 | 9,6752 | 0,3546 | 1,1920 | 1,0442 | 9,9134 | — 0,06 |
| Nov. 6 | 9,6970 | 0,3762 | 1,1323 | 1,1413 | 9,9276 | — 0,06 |
| 16 | 9,7204 | 0,3977 | 1,0468 | 1,2098 | 9,9414 | — 0,06 |
| 26 | 9,7450 | 0,4149 | 0,9224 | 1,2574 | 9,9547 | — 0,05 |
| Dec. 6 | 9,7703 | 0,4247 | 0,7258 | 1,2880 | 9,9677 | — 0,05 |
| 16 | 9,7955 | 0,4246 | 0,3224 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8198 | 0,4128 | 0,0750 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8426 | 0,3881 | 0,6476 *n* | 1,2937 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1815.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,5013 *n* | 0,3990 | 0,5093 *n* | 1,2999 | — ∞ | —0″,05 |
| 10 | 9,4509 *n* | 0,3659 | 0,8068 *n* | 1,2790 | 8,4362 | —0,05 |
| 20 | 9,3975 *n* | 0,3186 | 0,9724 *n* | 1,2426 | 8,7373 | —0,05 |
| 30 | 9,3423 *n* | 0,2572 | 1,0813 *n* | 1,1878 | 8,9134 | —0,05 |
| Febr. 9 | 9,2863 *n* | 0,1827 | 1,1569 *n* | 1,1094 | 9,0383 | —0,05 |
| 19 | 9,2302 *n* | 0,0977 | 1,2093 *n* | 0,9971 | 9,1352 | —0,05 |
| Mart. 1 | 9,1737 *n* | 0,0080 | 1,2438 *n* | 0,8267 | 9,2144 | —0,05 |
| 11 | 9,1151 *n* | 9,9242 | 1,2632 *n* | 0,5186 | 9,2813 | —0,05 |
| 21 | 9,0858 *n* | 9,8615 | 1,2690 *n* | 9,2781 *n* | 9,3393 | —0,05 |
| 31 | 8,9754 *n* | 9,8340 | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,05 |
| Apr. 10 | 8,8770 *n* | 9,8453 | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,06 |
| 20 | 8,7330 *n* | 9,8857 | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,06 |
| 30 | 8,4800 *n* | 9,9391 | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,06 |
| Maj. 10 | 7,5289 *n* | 9,9916 | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,06 |
| 20 | 8,4221 | 0,0343 | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,06 |
| 30 | 8,7698 | 0,0617 | 0,8339 *n* | 1,2751 *n* | 9,6123 | —0,06 |
| Jun. 9 | 8,9699 | 0,0705 | 0,5869 *n* | 1,2969 *n* | 9,6404 | —0,05 |
| 19 | 9,1103 | 0,0575 | 9,9049 *n* | 1,3061 *n* | 9,6667 | —0,05 |
| 29 | 9,2171 | 0,0185 | 0,3569 | 1,3033 *n* | 9,6915 | —0,05 |
| Jul. 9 | 9,3012 | 9,9466 | 0,7234 | 1,2882 *n* | 9,7150 | —0,05 |
| 19 | 9,3688 | 9,8272 | 0,9117 | 1,2600 *n* | 9,7373 | —0,05 |
| 29 | 9,4236 | 9,6233 | 1,0339 | 1,2168 *n* | 9,7585 | —0,05 |
| Aug. 8 | 9,4682 | 9,1682 | 1,1195 | 1,1550 *n* | 9,7787 | —0,05 |
| 18 | 9,5047 | 9,0994 *n* | 1,1809 | 1,0682 *n* | 9,7980 | —0,05 |
| 28 | 9,5350 | 9,5775 *n* | 1,2239 | 0,9431 *n* | 9,8164 | —0,05 |
| Sept. 7 | 9,5605 | 9,7710 *n* | 1,2519 | 0,7468 *n* | 9,8342 | —0,05 |
| 17 | 9,5827 | 9,8734 *n* | 1,2664 | 0,3455 *n* | 9,8512 | —0,05 |
| 27 | 9,6031 | 9,9240 *n* | 1,2682 | 0,0909 | 9,8676 | —0,05 |
| Oct. 7 | 9,6230 | 9,9370 *n* | 1,2572 | 0,6688 | 9,8834 | —0,06 |
| 17 | 9,6434 | 9,9186 *n* | 1,2324 | 0,9019 | 9,8986 | —0,06 |
| 27 | 9,6650 | 9,8722 *n* | 1,1920 | 1,0442 | 9,9134 | —0,06 |
| Nov. 6 | 9,6882 | 9,8008 *n* | 1,1323 | 1,1413 | 9,9276 | —0,06 |
| 16 | 9,7129 | 9,7106 *n* | 1,0468 | 1,2098 | 9,9414 | —0,06 |
| 26 | 9,7388 | 9,6170 *n* | 0,9224 | 1,2574 | 9,9547 | —0,06 |
| Dec. 6 | 9,7652 | 9,5517 *n* | 0,7259 | 1,2880 | 9,9677 | —0,06 |
| 16 | 9,7915 | 9,5540 *n* | 0,3224 | 1,3037 | 9,9803 | —0,05 |
| 26 | 9,8167 | 9,6335 *n* | 0,0749 *n* | 1,3056 | 9,9925 | —0,05 |
| 36 | 9,8403 | 9,7585 *n* | 0,6476 *n* | 1,2937 | 0,0044 | —0,05 |

# Tabula VIII.

## 1816.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,5070 *n* | 9,7088 *n* | 0,5093 *n* | 1,2999 | — ∞ | — 0″,05 |
| 11 | 9,4557 *n* | 9,8427 *n* | 0,8068 *n* | 1,2790 | 8,4362 | — 0,05 |
| 21 | 9,4011 *n* | 9,9711 *n* | 0,9724 *n* | 1,2426 | 8,7373 | — 0,05 |
| 31 | 9,3444 *n* | 0,0828 *n* | 1,0813 *n* | 1,1878 | 8,9134 | — 0,05 |
| Febr. 10 | 9,2863 *n* | 0,1746 *n* | 1,1569 *n* | 1,1094 | 9,0383 | — 0,05 |
| 20 | 9,2275 *n* | 0,2468 *n* | 1,2093 *n* | 0,9971 | 9,1352 | — 0,05 |
| Mart. 1 | 9,1676 *n* | 0,3006 *n* | 1,2438 *n* | 0,8267 | 9,2144 | — 0,05 |
| 11 | 9,1046 *n* | 0,3376 *n* | 1,2632 *n* | 0,5186 | 9,2813 | — 0,05 |
| 21 | 9,0349 *n* | 0,3593 *n* | 1,2690 *n* | 9,2780 *n* | 9,3393 | — 0,05 |
| 31 | 8,9510 *n* | 0,3674 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,8397 *n* | 0,3637 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,05 |
| 20 | 8,6711 *n* | 0,3503 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,05 |
| 30 | 8,3420 *n* | 0,3299 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,06 |
| Maj. 10 | 7,7709 | 0,3060 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,06 |
| 20 | 8,5653 | 0,2830 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 8,8463 | 0,2660 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,0239 | 0,2597 *n* | 0,5869 *n* | 1,2969 *n* | 9,6404 | — 0,05 |
| 19 | 9,1532 | 0,2670 *n* | 9,9048 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,2534 | 0,2886 *n* | 0,3569 | 1,3033 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3334 | 0,3220 *n* | 0,7234 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,3983 | 0,3630 *n* | 0,9117 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4912 | 0,4072 *n* | 1,0339 | 1,2168 *n* | 9,7585 | — 0,05 |
| Aug. 8 | 9,4946 | 0,4505 *n* | 1,1195 | 1,1550 *n* | 9,7787 | — 0,05 |
| 18 | 9,5304 | 0,4900 *n* | 1,1809 | 1,0682 *n* | 9,7980 | — 0,05 |
| 28 | 9,5601 | 0,5233 *n* | 1,2239 | 0,9431 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5853 | 0,5494 *n* | 1,2519 | 0,7468 *n* | 9,8342 | — 0,05 |
| 17 | 9,6075 | 0,5676 *n* | 1,2664 | 0,3455 *n* | 9,8512 | — 0,05 |
| 27 | 9,6278 | 0,5776 *n* | 1,2682 | 0,0909 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6476 | 0,5798 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6678 | 0,5749 *n* | 1,2324 | 0,9019 | 9,8986 | — 0,05 |
| 27 | 9,6891 | 0,5643 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,05 |
| Nov. 6 | 9,7119 | 0,5498 *n* | 1,1323 | 1,1413 | 9,9276 | — 0,05 |
| 16 | 9,7369 | 0,5341 *n* | 1,0468 | 1,2098 | 9,9414 | — 0,05 |
| 26 | 9,7615 | 0,5203 *n* | 0,9224 | 1,2574 | 9,9547 | — 0,05 |
| Dec. 6 | 9,7873 | 0,5116 *n* | 0,7259 | 1,2880 | 9,9677 | — 0,05 |
| 16 | 9,8129 | 0,5108 *n* | 0,3225 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8376 | 0,5193 *n* | 0,0749 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8607 | 0,5367 *n* | 0,[illegible]476 *n* | 1,2938 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1817.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,4601 *n* | 0,5291 *n* | 0,5093 *n* | 1,2999 | — ∞ | —0,05″ |
| 10 | 9,4008 *n* | 0,5512 *n* | 0,8068 *n* | 1,2790 | 8,4362 | —0,04 |
| 20 | 9,3365 *n* | 0,5785 *n* | 0,9723 *n* | 1,2426 | 8,7373 | —0,04 |
| 30 | 9,2677 *n* | 0,6079 *n* | 1,0813 *n* | 1,1878 | 8,9134 | —0,04 |
| Febr. 9 | 9,1948 *n* | 0,6364 *n* | 1,1569 *n* | 1,1094 | 9,0383 | —0,04 |
| 19 | 9,1178 *n* | 0,6618 *n* | 1,2093 *n* | 0,9971 | 9,1352 | —0,04 |
| Mart. 1 | 9,0352 *n* | 0,6824 *n* | 1,2438 *n* | 0,8268 | 9,2144 | —0,04 |
| 11 | 8,9429 *n* | 0,6973 *n* | 1,2632 *n* | 0,5186 | 9,2813 | —0,04 |
| 21 | 8,8315 *n* | 0,7060 *n* | 1,2690 *n* | 9,2779 *n* | 9,3393 | —0,04 |
| 31 | 8,6802 *n* | 0,7088 *n* | 1,2619 *n* | 0,5629 *n* | 9,3905 | —0,05 |
| Apr. 10 | 8,4273 *n* | 0,7062 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,05 |
| 20 | 7,5527 *n* | 0,6992 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,05 |
| 30 | 8,3473 | 0,6892 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,05 |
| Maj. 10 | 8,7079 | 0,6779 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,05 |
| 20 | 8,9180 | 0,6672 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,05 |
| 30 | 9,0688 | 0,6591 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | —0,05 |
| Jun. 9 | 9,1861 | 0,6552 *n* | 0,5869 *n* | 1,2969 *n* | 9,6404 | —0,04 |
| 19 | 9,2813 | 0,6572 *n* | 9,9048 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| 29 | 9,3597 | 0,6650 *n* | 0,3569 | 1,3033 *n* | 9,6915 | —0,04 |
| Jul. 9 | 9,4249 | 0,6781 *n* | 0,7234 | 1,2882 *n* | 9,7150 | —0,04 |
| 19 | 9,4795 | 0,6956 *n* | 0,9117 | 1,2600 *n* | 9,7373 | —0,04 |
| 29 | 9,5250 | 0,7156 *n* | 1,0339 | 1,2168 *n* | 9,7585 | —0,04 |
| Aug. 8 | 9,5629 | 0,7364 *n* | 1,1195 | 1,1550 *n* | 9,7787 | —0,04 |
| 18 | 9,5946 | 0,7562 *n* | 1,1809 | 1,0682 *n* | 9,7980 | —0,04 |
| 28 | 9,6213 | 0,7736 *n* | 1,2239 | 0,9431 *n* | 9,8164 | —0,04 |
| Sept. 7 | 9,6442 | 0,7875 *n* | 1,2519 | 0,7468 *n* | 9,8342 | —0,04 |
| 17 | 9,6643 | 0,7970 *n* | 1,2664 | 0,3455 *n* | 9,8512 | —0,04 |
| 27 | 9,6830 | 0,8020 *n* | 1,2682 | 0,0909 | 9,8676 | —0,04 |
| Oct. 7 | 9,7012 | 0,8023 *n* | 1,2572 | 0,6688 | 9,8834 | —0,04 |
| 17 | 9,7198 | 0,7983 *n* | 1,2324 | 0,9019 | 9,8986 | —0,04 |
| 27 | 9,7395 | 0,7910 *n* | 1,1920 | 1,0442 | 9,9134 | —0,04 |
| Nov. 6 | 9,7604 | 0,7814 *n* | 1,1323 | 1,1413 | 9,9276 | —0,04 |
| 16 | 9,7828 | 0,7711 *n* | 1,0469 | 1,2098 | 9,9414 | —0,04 |
| 26 | 9,8061 | 0,7620 *n* | 0,9224 | 1,2574 | 9,9547 | —0,04 |
| Dec. 6 | 9,8300 | 0,7558 *n* | 0,7259 | 1,2880 | 9,9677 | —0,04 |
| 16 | 9,8538 | 0,7542 *n* | 0,3225 | 1,3037 | 9,9803 | —0,04 |
| 26 | 9,8768 | 0,7578 *n* | 0,0748 *n* | 1,3056 | 9,9925 | —0,04 |
| 36 | 9,8984 | 0,7667 *n* | 0,6476 *n* | 1,2938 | 0,0044 | —0,03 |

# Tabula VIII.

## 1818.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,3483 *n* | 0,7628 *n* | 0,5092 *n* | 1,2999 | — ∞ | —0″,03 |
| | 10 | 9,2682 *n* | 0,7746 *n* | 0,8068 *n* | 1,2790 | 8,4362 | —0,03 |
| | 20 | 9,1760 *n* | 0,7899 *n* | 0,9723 *n* | 1,2426 | 8,7373 | —0,03 |
| | 30 | 9,0696 *n* | 0,8071 *n* | 1,0813 *n* | 1,1878 | 8,9134 | —0,03 |
| Febr. | 9 | 8,9445 *n* | 0,8242 *n* | 1,1569 *n* | 1,1094 | 9,0383 | —0,03 |
| | 19 | 8,7911 *n* | 0,8398 *n* | 1,2093 *n* | 0,9971 | 9,1352 | —0,03 |
| Mart. | 1 | 8,5834 *n* | 0,8525 *n* | 1,2438 *n* | 0,8268 | 9,2144 | —0,03 |
| | 11 | 8,2251 *n* | 0,8616 *n* | 1,2632 *n* | 0,5186 | 9,2813 | —0,03 |
| | 21 | 7,5798 | 0,8665 *n* | 1,2690 *n* | 9,2777 *n* | 9,3393 | —0,03 |
| | 31 | 8,3893 | 0,8674 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | —0,03 |
| Apr. | 10 | 8,6663 | 0,8645 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,03 |
| | 20 | 8,8468 | 0,8586 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | —0,04 |
| | 30 | 8,9860 | 0,8505 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | —0,04 |
| Maj. | 10 | 9,1016 | 0,8416 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | —0,04 |
| | 20 | 9,2009 | 0,8331 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | —0,03 |
| | 30 | 9,2876 | 0,8264 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | —0,03 |
| Jun. | 9 | 9,3635 | 0,8226 *n* | 0,5869 *n* | 1,2969 *n* | 9,6404 | —0,03 |
| | 19 | 9,4301 | 0,8226 *n* | 9,9047 *n* | 1,3061 *n* | 9,6667 | —0,03 |
| | 29 | 9,4882 | 0,8266 *n* | 0,3570 | 1,3033 *n* | 9,6915 | —0,03 |
| Jul. | 9 | 9,5385 | 0,8345 *n* | 0,7234 | 1,2882 *n* | 9,7150 | —0,03 |
| | 19 | 9,5818 | 0,8455 *n* | 0,9117 | 1,2600 *n* | 9,7373 | —0,03 |
| | 29 | 9,6188 | 0,8586 *n* | 1,0339 | 1,2168 *n* | 9,7585 | —0,03 |
| Aug. | 8 | 9,6503 | 0,8724 *n* | 1,1195 | 1,1550 *n* | 9,7787 | —0,02 |
| | 18 | 9,6770 | 0,8859 *n* | 1,1809 | 1,0632 *n* | 9,7980 | —0,02 |
| | 28 | 9,6998 | 0,8977 *n* | 1,2240 | 0,9431 *n* | 9,8164 | —0,02 |
| Sept. | 7 | 9,7195 | 0,9071 *n* | 1,2519 | 0,7468 *n* | 9,8342 | —0,02 |
| | 17 | 9,7370 | 0,9133 *n* | 1,2664 | 0,3455 *n* | 9,8512 | —0,03 |
| | 27 | 9,7533 | 0,9160 *n* | 1,2682 | 0,0909 | 9,8676 | —0,03 |
| Oct. | 7 | 9,7693 | 0,9151 *n* | 1,2572 | 0,6688 | 9,8834 | —0,03 |
| | 17 | 9,7857 | 0,9109 *n* | 1,2324 | 0,9019 | 9,8986 | —0,08 |
| | 27 | 9,8030 | 0,9041 *n* | 1,1920 | 1,0442 | 9,9134 | —0,03 |
| Nov. | 6 | 9,8216 | 0,8955 *n* | 1,1323 | 1,1413 | 9,9276 | —0,03 |
| | 16 | 9,8414 | 0,8865 *n* | 1,0469 | 1,2098 | 9,9414 | —0,03 |
| | 26 | 9,8623 | 0,8782 *n* | 0,9224 | 1,2574 | 9,9547 | —0,03 |
| Dec. | 6 | 9,8836 | 0,8723 *n* | 0,7259 | 1,2880 | 9,9677 | —0,03 |
| | 16 | 9,9050 | 0,8697 *n* | 0,3225 | 1,3037 | 9,9803 | —0,02 |
| | 26 | 9,9258 | 0,8712 *n* | 0,0747 *n* | 1,3056 | 9,9925 | —0,02 |
| | 36 | 9,9454 | 0,8768 *n* | 0,6476 *n* | 1,2938 | 0,0044 | —0,02 |

# Tabula VIII.

## 1819.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,1227 *n* | 0,8732 *n* | 0,5092 *n* | 1,2999 | — ∞ | — 0,02 |
| 10 | 8,9756 *n* | 0,8821 *n* | 0,8068 *n* | 1,2790 | 8,4362 | — 0,02 |
| 20 | 8,7674 *n* | 0,8929 *n* | 0,9723 *n* | 1,2426 | 8,7373 | — 0,02 |
| 30 | 8,4052 *n* | 0,9052 *n* | 1,0813 *n* | 1,1878 | 8,9134 | — 0,02 |
| Febr. 9 | 7,6513 | 0,9178 *n* | 1,1569 *n* | 1,1094 | 9,0383 | — 0,02 |
| 19 | 8,4944 | 0,9292 *n* | 1,2093 *n* | 0,9971 | 9,1352 | — 0,02 |
| Mart. 1 | 8,7419 | 0,9384 *n* | 1,2438 *n* | 0,8268 | 9,2144 | — 0,02 |
| 11 | 8,8878 | 0,9447 *n* | 1,2632 *n* | 0,5186 | 9,2813 | — 0,02 |
| 21 | 8,9926 | 0,9477 *n* | 1,2690 *n* | 9,2776 *n* | 9,3393 | — 0,02 |
| 31 | 9,0774 | 0,9473 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,02 |
| Apr. 10 | 9,1518 | 0,9437 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,02 |
| 20 | 9,2207 | 0,9376 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | — 0,02 |
| 30 | 9,2861 | 0,9297 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,02 |
| Maj. 10 | 9,3488 | 0,9210 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,02 |
| 20 | 9,4085 | 0,9127 *n* | 0,9823 *n* | 1,2391 *n* | 9,5824 | — 0,02 |
| 30 | 9,4649 | 0,9058 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | — 0,02 |
| Jun. 9 | 9,5174 | 0,9014 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | — 0,02 |
| 19 | 9,5657 | 0,9000 *n* | 9,9046 *n* | 1,3061 *n* | 9,6667 | — 0,02 |
| 29 | 9,6094 | 0,9021 *n* | 0,3570 | 1,3033 *n* | 9,6915 | — 0,01 |
| Jul. 9 | 9,6484 | 0,9074 *n* | 0,7235 | 1,2882 *n* | 9,7150 | — 0,01 |
| 19 | 9,6827 | 0,9154 *n* | 0,9117 | 1,2600 *n* | 9,7373 | — 0,01 |
| 29 | 9,7127 | 0,9253 *n* | 1,0339 | 1,2168 *n* | 9,7585 | — 0,01 |
| Aug. 8 | 9,7385 | 0,9360 *n* | 1,1195 | 1,1550 *n* | 9,7787 | — 0,01 |
| 18 | 9,7607 | 0,9464 *n* | 1,1809 | 1,0682 *n* | 9,7980 | — 0,01 |
| 28 | 9,7798 | 0,9555 *n* | 1,2240 | 0,9431 *n* | 9,8164 | — 0,01 |
| Sept. 7 | 9,7965 | 0,9626 *n* | 1,2519 | 0,7468 *n* | 9,8342 | — 0,01 |
| 17 | 9,8115 | 0,9669 *n* | 1,2664 | 0,3455 *n* | 9,8512 | — 0,01 |
| 27 | 9,8255 | 0,9681 *n* | 1,2682 | 0,0909 | 9,8676 | — 0,01 |
| Oct. 7 | 9,8393 | 0,9661 *n* | 1,2572 | 0,6638 | 9,8834 | — 0,01 |
| 17 | 9,8534 | 0,9612 *n* | 1,2324 | 0,9019 | 9,8986 | — 0,01 |
| 27 | 9,8685 | 0,9539 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,01 |
| Nov. 6 | 9,8847 | 0,9451 *n* | 1,1323 | 1,1413 | 9,9276 | — 0,01 |
| 16 | 9,9021 | 0,9357 *n* | 1,0469 | 1,2098 | 9,9414 | — 0,01 |
| 26 | 9,9204 | 0,9270 *n* | 0,9224 | 1,2574 | 9,9547 | — 0,01 |
| Dec. 6 | 9,9393 | 0,9204 *n* | 0,7259 | 1,2880 | 9,9677 | — 0,01 |
| 16 | 9,9583 | 0,9167 *n* | 0,3226 | 1,3037 | 9,9803 | — 0,01 |
| 26 | 9,9768 | 0,9167 *n* | 0,0747 *n* | 1,3056 | 9,9925 | — 0,01 |
| 36 | 9,9945 | 0,9204 *n* | 0,6475 *n* | 1,2933 | 0,0044 | 0,00 |

# Tabula VIII.

## 1820.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 8,4365 *n* | 0,9185 *n* | 0,5092 *n* | 1,2999 | — ∞ | 0,00 |
| 11 | 8,0434 | 0,9243 *n* | 0,8068 *n* | 1,2790 | 8,4362 | 0,00 |
| 21 | 8,6749 | 0,9328 *n* | 0,9723 *n* | 1,2426 | 8,7373 | 0,00 |
| 31 | 8,9067 | 0,9428 *n* | 1,0813 *n* | 1,1878 | 8,9134 | 0,00 |
| Febr. 10 | 9,0445 | 0,9531 *n* | 1,1569 *n* | 1,1094 | 9,0383 | 0,00 |
| 20 | 9,1390 | 0,9624 *n* | 1,2093 *n* | 0,9971 | 9,1352 | 0,00 |
| Mart. 1 | 9,2093 | 0,9698 *n* | 1,2438 *n* | 0,8268 | 9,2144 | 0,00 |
| 11 | 9,2652 | 0,9745 *n* | 1,2632 *n* | 0,5186 | 9,2813 | 0,00 |
| 21 | 9,3127 | 0,9760 *n* | 1,2690 *n* | 9,2775 *n* | 9,3393 | 0,00 |
| 31 | 9,3557 | 0,9744 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | 0,00 |
| Apr. 10 | 9,3968 | 0,9699 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | 0,00 |
| 20 | 9,4376 | 0,9628 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | 0,00 |
| 30 | 9,4787 | 0,9541 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | 0,00 |
| Maj. 10 | 9,5201 | 0,9446 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | 0,00 |
| 20 | 9,5614 | 0,9354 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | 0,00 |
| 30 | 9,6020 | 0,9275 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | 0,00 |
| Jun. 9 | 9,6410 | 0,9219 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | 0,00 |
| 19 | 9,6779 | 0,9192 *n* | 9,9045 *n* | 1,3061 *n* | 9,6667 | 0,00 |
| 29 | 9,7121 | 0,9198 *n* | 0,3570 | 1,3033 *n* | 9,6915 | 0,00 |
| Jul. 9 | 9,7433 | 0,9236 *n* | 0,7235 | 1,2882 *n* | 9,7150 | 0,00 |
| 19 | 9,7712 | 0,9300 *n* | 0,9117 | 1,2600 *n* | 9,7373 | + 0,01 |
| 29 | 9,7958 | 0,9382 *n* | 1,0339 | 1,2168 *n* | 9,7585 | + 0,01 |
| Aug. 8 | 9,8173 | 0,9473 *n* | 1,1196 | 1,1550 *n* | 9,7787 | + 0,01 |
| 18 | 9,8360 | 0,9561 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,01 |
| 28 | 9,8521 | 0,9638 *n* | 1,2240 | 0,9431 *n* | 9,8164 | + 0,01 |
| Sept. 7 | 9,8663 | 0,9695 *n* | 1,2519 | 0,7467 *n* | 9,8342 | + 0,01 |
| 17 | 9,8791 | 0,9725 *n* | 1,2664 | 0,3455 *n* | 9,8512 | + 0,01 |
| 27 | 9,8912 | 0,9724 *n* | 1,2682 | 0,0910 | 9,8676 | + 0,01 |
| Oct. 7 | 9,9031 | 0,9692 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| 17 | 9,9153 | 0,9631 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,01 |
| 27 | 9,9284 | 0,9546 *n* | 1,1920 | 1,0442 | 9,9134 | 0,00 |
| Nov. 6 | 9,9426 | 0,9444 *n* | 1,1323 | 1,1413 | 9,9276 | 0,00 |
| 16 | 9,9578 | 0,9336 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,01 |
| 26 | 9,9740 | 0,9236 *n* | 0,9224 | 1,2574 | 9,9547 | + 0,01 |
| Dec. 6 | 9,9907 | 0,9154 *n* | 0,7259 | 1,2880 | 9,9677 | + 0,01 |
| 16 | 0,0076 | 0,9103 *n* | 0,3226 | 1,3037 | 9,9803 | + 0,01 |
| 26 | 0,0242 | 0,9088 *n* | 0,0746 *n* | 1,3056 | 9,9925 | + 0,01 |
| 36 | 0,0407 | 0,9112 *n* | 0,6475 *n* | 1,2938 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1821.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 8,9128 | 0,9099 *n* | 0,5092 *n* | 1,2999 | — ∞ | + 0,01 |
| 10 | 9,0797 | 0,9144 *n* | 0,8067 *n* | 1,2790 | 8,4362 | + 0,01 |
| 20 | 9,1940 | 0,9217 *n* | 0,9723 *n* | 1,2426 | 8,7373 | + 0,02 |
| 30 | 9,2778 | 0,9306 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,02 |
| Febr. 9 | 9,3417 | 0,9398 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,02 |
| 19 | 9,3918 | 0,9481 *n* | 1,2093 *n* | 0,9971 | 9,1352 | + 0,02 |
| Mart. 1 | 9,4323 | 0,9544 *n* | 1,2438 *n* | 0,8268 | 9,2144 | + 0,02 |
| 11 | 9,4665 | 0,9580 *n* | 1,2632 *n* | 0,5186 | 9,2813 | + 0,02 |
| 21 | 9,4968 | 0,9584 *n* | 1,2690 *n* | 9,2774 *n* | 9,3393 | + 0,01 |
| 31 | 9,5252 | 0,9554 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,01 |
| Apr. 10 | 9,5533 | 0,9494 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,01 |
| 20 | 9,5820 | 0,9407 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,01 |
| 30 | 9,6117 | 0,9301 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,01 |
| Maj. 10 | 9,6424 | 0,9187 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,01 |
| 20 | 9,6738 | 0,9075 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,01 |
| 30 | 9,7053 | 0,8977 *n* | 0,8339 *n* | 1,2751 *n* | 9,6123 | + 0,02 |
| Jun. 9 | 9,7362 | 0,8902 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | + 0,02 |
| 19 | 9,7659 | 0,8858 *n* | 9,9044 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| 29 | 9,7939 | 0,8850 *n* | 0,3571 | 1,3033 *n* | 9,6915 | + 0,02 |
| Jul. 9 | 9,8197 | 0,8876 *n* | 0,7235 | 1,2882 *n* | 9,7150 | + 0,02 |
| 19 | 9,8431 | 0,8931 *n* | 0,9117 | 1,2600 *n* | 9,7373 | + 0,02 |
| 29 | 9,8640 | 0,9006 *n* | 1,0339 | 1,2168 *n* | 9,7585 | + 0,02 |
| Aug. 8 | 9,8823 | 0,9091 *n* | 1,1196 | 1,1550 *n* | 9,7787 | + 0,03 |
| 18 | 9,8982 | 0,9174 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,03 |
| 28 | 9,9121 | 0,9245 *n* | 1,2240 | 0,9431 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9244 | 0,9293 *n* | 1,2519 | 0,7467 *n* | 9,8342 | + 0,02 |
| 17 | 9,9355 | 0,9313 *n* | 1,2664 | 0,3454 *n* | 9,8512 | + 0,02 |
| 27 | 9,9459 | 0,9300 *n* | 1,2682 | 0,0910 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9563 | 0,9251 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,02 |
| 17 | 9,9670 | 0,9170 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,02 |
| 27 | 9,9785 | 0,9061 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,02 |
| Nov. 6 | 9,9910 | 0,8933 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,02 |
| 16 | 0,0045 | 0,8798 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,02 |
| 26 | 0,0189 | 0,8669 *n* | 0,9224 | 1,2574 | 9,9547 | + 0,02 |
| Dec. 6 | 0,0339 | 0,8561 *n* | 0,7259 | 1,2880 | 9,9677 | + 0,02 |
| 16 | 0,0491 | 0,8486 *n* | 0,3226 | 1,3037 | 9,9803 | + 0,03 |
| 26 | 0,0641 | 0,8454 *n* | 0,0745 *n* | 1,3056 | 9,9925 | + 0,03 |
| 36 | 0,0784 | 0,8466 *n* | 0,6475 *n* | 1,2938 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1822.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,2632 | 0,8457 *n* | 0,5091 *n* | 1,2999 | — ∞ | + 0,03 |
| 10 | 9,3449 | 0,8493 *n* | 0,8067 *n* | 1,2790 | 8,4362 | + 0,03 |
| 20 | 9,4101 | 0,8563 *n* | 0,9723 *n* | 1,2426 | 8,7373 | + 0,03 |
| 30 | 9,4624 | 0,8652 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,03 |
| Febr. 9 | 9,5047 | 0,8745 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,03 |
| 19 | 9,5392 | 0,8827 *n* | 1,2093 *n* | 0,9971 | 9,1352 | + 0,03 |
| Mart. 1 | 9,5680 | 0,8887 *n* | 1,2438 *n* | 0,8268 | 9,2144 | + 0,03 |
| 11 | 9,5927 | 0,8915 *n* | 1,2632 *n* | 0,5187 | 9,2813 | + 0,03 |
| 21 | 9,6152 | 0,8905 *n* | 1,2690 *n* | 9,2773 *n* | 9,3393 | + 0,03 |
| 31 | 9,6366 | 0,8857 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6580 | 0,8772 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,03 |
| 20 | 9,6803 | 0,8656 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,03 |
| 30 | 9,7038 | 0,8515 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7284 | 0,8363 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,03 |
| 20 | 9,7540 | 0,8212 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,03 |
| 30 | 9,7799 | 0,8076 *n* | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,8058 | 0,7967 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,8310 | 0,7897 *n* | 9,9043 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8549 | 0,7870 *n* | 0,3571 | 1,3033 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8771 | 0,7886 *n* | 0,7235 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,8974 | 0,7939 *n* | 0,9118 | 1,2600 *n* | 9,7373 | + 0,04 |
| 29 | 9,9155 | 0,8018 *n* | 1,0339 | 1,2168 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9315 | 0,8109 *n* | 1,1196 | 1,1550 *n* | 9,7787 | + 0,04 |
| 18 | 9,9456 | 0,8198 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,04 |
| 28 | 9,9578 | 0,8272 *n* | 1,2240 | 0,9431 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9686 | 0,8319 *n* | 1,2519 | 0,7467 *n* | 9,8342 | + 0,04 |
| 17 | 9,9783 | 0,8329 *n* | 1,2664 | 0,3454 *n* | 9,8512 | + 0,04 |
| 27 | 9,9876 | 0,8298 *n* | 1,2682 | 0,0910 | 9,8676 | + 0,04 |
| Oct. 7 | 9,9967 | 0,8223 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0063 | 0,8105 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,03 |
| 27 | 0,0166 | 0,7951 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0278 | 0,7769 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,03 |
| 16 | 0,0400 | 0,7575 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,03 |
| 26 | 0,0530 | 0,7386 *n* | 0,9224 | 1,2574 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0668 | 0,7223 *n* | 0,7259 | 1,2880 | 9,9677 | + 0,04 |
| 16 | 0,0806 | 0,7104 *n* | 0,3227 | 1,3037 | 9,9803 | + 0,04 |
| 26 | 0,0943 | 0,7042 *n* | 0,0745 *n* | 1,3056 | 9,9925 | + 0,04 |
| 56 | 0,1074 | 0,7041 *n* | 0,6475 *n* | 1,2938 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1823.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,4254 | 0,7034 *n* | 0,5091 *n* | 1,2999 | — ∞ | + 0″,04 |
| | 10 | 9,4823 | 0,7068 *n* | 0,8067 *n* | 1,2790 | 8,4362 | + 0,04 |
| | 20 | 9,5299 | 0,7147 *n* | 0,9723 *n* | 1,2426 | 8,7373 | + 0,04 |
| | 30 | 9,5694 | 0,7253 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,04 |
| Febr. | 9 | 9,6021 | 0,7365 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,04 |
| | 19 | 9,6292 | 0,7462 *n* | 1,2093 *n* | 0,9971 | 9,1352 | + 0,04 |
| Mart. | 1 | 9,6521 | 0,7529 *n* | 1,2438 *n* | 0,8268 | 9,2144 | + 0,04 |
| | 11 | 9,6720 | 0,7552 *n* | 1,2632 *n* | 0,5187 | 9,2813 | + 0,04 |
| | 21 | 9,6901 | 0,7524 *n* | 1,2690 *n* | 9,2771 *n* | 9,3393 | + 0,04 |
| | 31 | 9,7076 | 0,7443 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,7253 | 0,7310 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| | 20 | 9,7439 | 0,7130 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,04 |
| | 30 | 9,7637 | 0,6913 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,7848 | 0,6673 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| | 20 | 9,8068 | 0,6430 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8294 | 0,6204 *n* | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. | 9 | 9,8520 | 0,6016 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| | 19 | 9,8743 | 0,5886 *n* | 9,9042 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8956 | 0,5823 *n* | 0,3571 | 1,3033 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9155 | 0,5829 *n* | 0,7235 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9337 | 0,5894 *n* | 0,9118 | 1,2600 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9500 | 0,6002 *n* | 1,0339 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9645 | 0,6128 *n* | 1,1196 | 1,1550 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9771 | 0,6250 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,05 |
| | 28 | 9,9881 | 0,6349 *n* | 1,2240 | 0,9431 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 9,9979 | 0,6405 *n* | 1,2519 | 0,7467 *n* | 9,8342 | + 0,05 |
| | 17 | 0,0067 | 0,6405 *n* | 1,2664 | 0,3454 *n* | 9,8512 | + 0,05 |
| | 27 | 0,0150 | 0,6341 *n* | 1,2682 | 0,0910 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0233 | 0,6206 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| | 17 | 0,0319 | 0,6000 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,04 |
| | 27 | 0,0413 | 0,5728 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. | 6 | 0,0516 | 0,5401 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,04 |
| | 16 | 0,0628 | 0,5040 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,04 |
| | 26 | 0,0749 | 0,4674 *n* | 0,9225 | 1,2573 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0876 | 0,4342 *n* | 0,7260 | 1,2880 | 9,9677 | + 0,05 |
| | 16 | 0,1005 | 0,4083 *n* | 0,3227 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1133 | 0,3933 *n* | 0,0744 *n* | 1,3056 | 9,9925 | + 0,05 |
| | 36 | 0,1256 | 0,3906 *n* | 0,6475 *n* | 1,2938 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1824.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,5073 | 0,3902 *n* | 0,5091 *n* | 1,2999 | — ∞ | + 0,05 |
| 11 | 9,5539 | 0,3947 *n* | 0,8067 *n* | 1,2790 | 8,4362 | + 0,05 |
| 21 | 9,5936 | 0,4085 *n* | 0,9723 *n* | 1,2426 | 8,7373 | + 0,05 |
| 31 | 9,6270 | 0,4275 *n* | 1,0813 *n* | 1,1878 | 8,9134 | + 0,05 |
| Febr. 10 | 9,6549 | 0,4474 *n* | 1,1569 *n* | 1,1094 | 9,0383 | + 0,05 |
| 20 | 9,6782 | 0,4642 *n* | 1,2093 *n* | 0,9971 | 9,1352 | + 0,05 |
| Mart. 1 | 9,6979 | 0,4750 *n* | 1,2438 *n* | 0,8268 | 9,2144 | + 0,05 |
| 11 | 9,7151 | 0,4775 *n* | 1,2632 *n* | 0,5187 | 9,2813 | + 0,05 |
| 21 | 9,7309 | 0,4705 *n* | 1,2690 *n* | 9,2770 *n* | 9,3393 | + 0,05 |
| 31 | 9,7461 | 0,4529 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7617 | 0,4245 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| 20 | 9,7781 | 0,3851 *n* | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| 30 | 9,7958 | 0,3353 *n* | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. 10 | 9,8148 | 0,2764 *n* | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,05 |
| 20 | 9,8348 | 0,2110 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| 30 | 9,8555 | 0,1436 *n* | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. 9 | 9,8763 | 0,0810 *n* | 0,5868 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| 19 | 9,8969 | 0,0319 *n* | 9,9041 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9166 | 0,0045 *n* | 0,3572 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9351 | 0,0025 *n* | 0,7235 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9520 | 0,0230 *n* | 0,9118 | 1,2600 *n* | 9,7373 | + 0,05 |
| 29 | 9,9673 | 0,0576 *n* | 1,0339 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9808 | 0,0970 *n* | 1,1196 | 1,1550 *n* | 9,7787 | + 0,05 |
| 18 | 9,9925 | 0,1331 *n* | 1,1809 | 1,0682 *n* | 9,7980 | + 0,05 |
| 28 | 0,0027 | 0,1603 *n* | 1,2240 | 0,9430 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 0,0117 | 0,1743 *n* | 1,2519 | 0,7467 *n* | 9,8342 | + 0,05 |
| 17 | 0,0199 | 0,1720 *n* | 1,2664 | 0,3454 *n* | 9,8512 | + 0,05 |
| 27 | 0,0275 | 0,1503 *n* | 1,2682 | 0,0910 | 9,8676 | + 0,05 |
| Oct. 7 | 0,0352 | 0,1052 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| 17 | 0,0432 | 0,0308 *n* | 1,2324 | 0,9019 | 9,8986 | + 0,05 |
| 27 | 0,0520 | 9,9162 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,05 |
| Nov. 6 | 0,0616 | 9,7377 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,05 |
| 16 | 0,0723 | 9,4201 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,05 |
| 26 | 0,0837 | 7,1367 | 0,9225 | 1,2573 | 9,9547 | + 0,05 |
| Dec. 6 | 0,0958 | 9,3503 | 0,7260 | 1,2880 | 9,9677 | + 0,05 |
| 16 | 0,1082 | 9,5877 | 0,3228 | 1,3037 | 9,9803 | + 0,05 |
| 26 | 0,1204 | 9,6811 | 0,0743 *n* | 1,3056 | 9,9925 | + 0,05 |
| 36 | 0,1322 | 9,7000 | 0,6475 *n* | 1,2938 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1825.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5345 | 9,7001 | 0,5091 *n* | 1,2999 | — ∞ | + 0″,05 |
| | 10 | 9,5773 | 9,6823 | 0,8067 *n* | 1,2790 | 8,4362 | + 0,05 |
| | 20 | 9,6139 | 9,6086 | 0,9723 *n* | 1,2426 | 8,7373 | + 0,06 |
| | 30 | 9,6449 | 9,4719 | 1,0812 *n* | 1,1878 | 8,9134 | + 0,06 |
| Febr. | 9 | 9,6707 | 9,2447 | 1,1569 *n* | 1,1095 | 9,0383 | + 0,06 |
| | 19 | 9,6923 | 8,8417 | 1,2093 *n* | 0,9971 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,7106 | 6,7482 | 1,2438 *n* | 0,8268 | 9,2144 | + 0,05 |
| | 11 | 9,7265 | 8,1202 *n* | 1,2632 *n* | 0,5187 | 9,2813 | + 0,05 |
| | 21 | 9,7410 | 8,5891 | 1,2690 *n* | 9,2769 *n* | 9,3393 | + 0,05 |
| | 31 | 9,7551 | 9,2019 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,05 |
| Apr. | 10 | 9,7696 | 9,5344 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| | 20 | 9,7851 | 9,7602 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,05 |
| | 30 | 9,8018 | 9,9249 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,05 |
| Maj. | 10 | 9,8198 | 0,0485 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,05 |
| | 20 | 9,8389 | 0,1413 | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,05 |
| | 30 | 9,8588 | 0,2096 | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8789 | 0,2574 | 0,5867 *n* | 1,2969 *n* | 9,6404 | + 0,05 |
| | 19 | 9,8988 | 0,2876 | 9,9040 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| | 29 | 9,9179 | 0,3023 | 0,3572 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9358 | 0,3035 | 0,7235 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9522 | 0,2930 | 0,9118 | 1,2600 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9670 | 0,2733 | 1,0339 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9800 | 0,2475 | 1,1196 | 1,1550 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9913 | 0,2200 | 1,1809 | 1,0681 *n* | 9,7980 | + 0,05 |
| | 28 | 0,0011 | 0,1963 | 1,2240 | 0,9430 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 0,0097 | 0,1828 | 1,2519 | 0,7467 *n* | 9,8342 | + 0,05 |
| | 17 | 0,0174 | 0,1847 | 1,2664 | 0,3454 *n* | 9,8512 | + 0,05 |
| | 27 | 0,0247 | 0,2044 | 1,2682 | 0,0910 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0320 | 0,2404 | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| | 17 | 0,0397 | 0,2875 | 1,2324 | 0,9019 | 9,8986 | + 0,05 |
| | 27 | 0,0481 | 0,3396 | 1,1920 | 1,0442 | 9,9134 | + 0,05 |
| Nov. | 6 | 0,0575 | 0,3911 | 1,1323 | 1,1413 | 9,9276 | + 0,05 |
| | 16 | 0,0678 | 0,4381 | 1,0469 | 1,2098 | 9,9414 | + 0,05 |
| | 26 | 0,0790 | 0,4777 | 0,9225 | 1,2573 | 9,9547 | + 0,05 |
| Dec. | 6 | 0,0908 | 0,5083 | 0,7260 | 1,2880 | 9,9677 | + 0,05 |
| | 16 | 0,1030 | 0,5293 | 0,3228 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1151 | 0,5407 | 0,0742 *n* | 1,3056 | 9,9925 | + 0,05 |
| | 36 | 0,1267 | 0,5428 | 0,6474 *n* | 1,2938 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1826.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5126 | 0,5430 | 0,5090 *n* | 1,2999 | — ∞ | + 0″,05 |
| | 10 | 9,5562 | 0,5400 | 0,8067 *n* | 1,2790 | 8,4362 | + 0,05 |
| | 20 | 9,5935 | 0,5300 | 0,9723 *n* | 1,2426 | 8,7373 | + 0,05 |
| | 30 | 9,6248 | 0,5151 | 1,0812 *n* | 1,1878 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,6509 | 0,4982 | 1,1569 *n* | 1,1095 | 9,0383 | + 0,05 |
| | 19 | 9,6725 | 0,4826 | 1,2093 *n* | 0,9971 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,6907 | 0,4718 | 1,2438 *n* | 0,8268 | 9,2144 | + 0,05 |
| | 11 | 9,7064 | 0,4690 | 1,2632 *n* | 0,5187 | 9,2813 | + 0,05 |
| | 21 | 9,7208 | 0,4758 | 1,2690 *n* | 9,2768 *n* | 9,3393 | + 0,05 |
| | 31 | 9,7347 | 0,4921 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,05 |
| Apr. | 10 | 9,7491 | 0,5161 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| | 20 | 9,7645 | 0,5451 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,04 |
| | 30 | 9,7813 | 0,5761 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,7995 | 0,6061 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| | 20 | 9,8188 | 0,6331 | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8390 | 0,6556 | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. | 9 | 9,8594 | 0,6726 | 0,5867 *n* | 1,2969 *n* | 9,6404 | + 0,04 |
| | 19 | 9,8796 | 0,6837 | 9,9039 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8990 | 0,6890 | 0,3572 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9171 | 0,6887 | 0,7236 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9338 | 0,6836 | 0,9118 | 1,2600 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9487 | 0,6749 | 1,0339 | 1,2168 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9616 | 0,6640 | 1,1196 | 1,1550 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9731 | 0,6528 | 1,1809 | 1,0681 *n* | 9,7980 | + 0,05 |
| | 28 | 9,9829 | 0,6431 | 1,2240 | 0,9430 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 9,9914 | 0,6373 | 1,2519 | 0,7467 *n* | 9,8342 | + 0,05 |
| | 17 | 9,9990 | 0,6371 | 1,2664 | 0,3454 *n* | 9,8512 | + 0,04 |
| | 27 | 0,0062 | 0,6430 | 1,2682 | 0,0910 | 9,8676 | + 0,04 |
| Oct. | 7 | 0,0134 | 0,6554 | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| | 17 | 0,0210 | 0,6731 | 1,2324 | 0,9019 | 9,8986 | + 0,04 |
| | 27 | 0,0294 | 0,6943 | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. | 6 | 0,0388 | 0,7169 | 1,1323 | 1,1413 | 9,9276 | + 0,04 |
| | 16 | 0,0492 | 0,7388 | 1,0469 | 1,2098 | 9,9414 | + 0,04 |
| | 26 | 0,0605 | 0,7581 | 0,9225 | 1,2573 | 9,9547 | + 0,04 |
| Dec. | 6 | 0,0725 | 0,7736 | 0,7260 | 1,2880 | 9,9677 | + 0,04 |
| | 16 | 0,0849 | 0,7842 | 0,3228 | 1,3037 | 9,9803 | + 0,04 |
| | 26 | 0,0971 | 0,7896 | 0,0742 *n* | 1,3056 | 9,9925 | + 0,04 |
| | 36 | 0,1089 | 0,7899 | 0,6474 *n* | 1,2938 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1827.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 9,4347 | 0,7904 | 0,5090 *n* | 1,2999 | — ∞ | + 0″,04 |
| 10 | 9,4851 | 0,7878 | 0,8067 *n* | 1,2790 | 8,4362 | + 0,04 |
| 20 | 9,5275 | 0,7812 | 0,9723 *n* | 1,2426 | 8,7373 | + 0,04 |
| 30 | 9,5626 | 0,7719 | 1,0812 *n* | 1,1878 | 8,9134 | + 0,04 |
| Febr. 9 | 9,5915 | 0,7615 | 1,1569 *n* | 1,1095 | 9,0383 | + 0,04 |
| 19 | 9,6153 | 0,7520 | 1,2093 *n* | 0,9971 | 9,1352 | + 0,04 |
| Mart. 1 | 9,6350 | 0,7451 | 1,2438 *n* | 0,8268 | 9,2144 | + 0,04 |
| 11 | 9,6520 | 0,7425 | 1,2632 *n* | 0,5187 | 9,2813 | + 0,04 |
| 21 | 9,6674 | 0,7450 | 1,2690 *n* | 9,2767 *n* | 9,3393 | + 0,04 |
| 31 | 9,6823 | 0,7527 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,04 |
| Apr. 10 | 9,6977 | 0,7649 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,03 |
| 20 | 9,7143 | 0,7804 | 1,2068 *n* | 1,0047 *n* | 9,4776 | + 0,03 |
| 30 | 9,7324 | 0,7975 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7520 | 0,8148 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,03 |
| 20 | 9,7729 | 0,8307 | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,03 |
| 30 | 9,7946 | 0,8440 | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,8166 | 0,8541 | 0,5867 *n* | 1,2969 *n* | 9,6404 | + 0,03 |
| 19 | 9,8383 | 0,8605 | 9,9038 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8591 | 0,8629 | 0,3573 | 1,3032 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8784 | 0,8617 | 0,7236 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,8961 | 0,8573 | 0,9118 | 1,2600 *n* | 9,7373 | + 0,04 |
| 29 | 9,9119 | 0,8503 | 1,0339 | 1,2168 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9257 | 0,8420 | 1,1196 | 1,1550 *n* | 9,7787 | + 0,04 |
| 18 | 9,9376 | 0,8334 | 1,1809 | 1,0681 *n* | 9,7980 | + 0,04 |
| 28 | 9,9478 | 0,8259 | 1,2240 | 0,9430 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9566 | 0,8209 | 1,2519 | 0,7467 *n* | 9,8342 | + 0,03 |
| 17 | 9,9645 | 0,8194 | 1,2664 | 0,3454 *n* | 9,8512 | + 0,03 |
| 27 | 9,9719 | 0,8222 | 1,2682 | 0,0911 | 9,8676 | + 0,03 |
| Oct. 7 | 9,9793 | 0,8291 | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| 17 | 9,9872 | 0,8398 | 1,2324 | 0,9019 | 9,8986 | + 0,03 |
| 27 | 9,9959 | 0,8532 | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0057 | 0,8678 | 1,1323 | 1,1413 | 9,9276 | + 0,03 |
| 16 | 0,0166 | 0,8823 | 1,0469 | 1,2098 | 9,9414 | + 0,03 |
| 26 | 0,0285 | 0,8952 | 0,9225 | 1,2573 | 9,9547 | + 0,03 |
| Dec. 6 | 0,0411 | 0,9054 | 0,7260 | 1,2879 | 9,9677 | + 0,03 |
| 16 | 0,0541 | 0,9122 | 0,3229 | 1,3037 | 9,9803 | + 0,03 |
| 26 | 0,0669 | 0,9151 | 0,0741 *n* | 1,3056 | 9,9925 | + 0,03 |
| 36 | 0,0793 | 0,9143 | 0,6474 *n* | 1,2938 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1828.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,2736 | 0,9150 | 0,5090 *n* | 1,2999 | — ∞ | + 0,03 |
| 11 | 9,3434 | 0,9119 | 0,8067 *n* | 1,2790 | 8,4362 | + 0,03 |
| 21 | 9,3998 | 0,9058 | 0,9723 *n* | 1,2426 | 8,7373 | + 0,03 |
| 31 | 9,4453 | 0,8977 | 1,0812 *n* | 1,1878 | 8,9134 | + 0,03 |
| Febr. 10 | 9,4817 | 0,8887 | 1,1569 *n* | 1,1095 | 9,0383 | + 0,03 |
| 20 | 9,5111 | 0,8804 | 1,2093 *n* | 0,9971 | 9,1352 | + 0,03 |
| Mart. 1 | 9,5352 | 0,8741 | 1,2438 *n* | 0,8268 | 9,2144 | + 0,03 |
| 11 | 9,5556 | 0,8708 | 1,2632 *n* | 0,5187 | 9,2813 | + 0,03 |
| 21 | 9,5740 | 0,8713 | 1,2690 *n* | 9,2765 *n* | 9,3393 | + 0,02 |
| 31 | 9,5917 | 0,8758 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,02 |
| Apr. 10 | 9,6099 | 0,8837 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,02 |
| 20 | 9,6294 | 0,8943 | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,02 |
| 30 | 9,6507 | 0,9063 | 1,1556 *n* | 1,1113 *n* | 9,5154 | + 0,02 |
| Maj. 10 | 9,6737 | 0,9186 | 1,0835 *n* | 1,1862 *n* | 9,5502 | + 0,02 |
| 20 | 9,6981 | 0,9299 | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,02 |
| 30 | 9,7232 | 0,9394 | 0,8338 *n* | 1,2751 *n* | 9,6123 | + 0,02 |
| Jun. 9 | 9,7486 | 0,9464 | 0,5867 *n* | 1,2969 *n* | 9,6404 | + 0,02 |
| 19 | 9,7734 | 0,9504 | 9,9037 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| 29 | 9,7970 | 0,9512 | 0,3573 | 1,3032 *n* | 9,6915 | + 0,02 |
| Jul. 9 | 9,8189 | 0,9491 | 0,7236 | 1,2882 *n* | 9,7150 | + 0,02 |
| 19 | 9,8388 | 0,9442 | 0,9118 | 1,2600 *n* | 9,7373 | + 0,02 |
| 29 | 9,8564 | 0,9373 | 1,0339 | 1,2167 *n* | 9,7585 | + 0,02 |
| Aug. 8 | 9,8717 | 0,9292 | 1,1196 | 1,1550 *n* | 9,7787 | + 0,02 |
| 18 | 9,8848 | 0,9209 | 1,1809 | 1,0681 *n* | 9,7980 | + 0,02 |
| 28 | 9,8960 | 0,9135 | 1,2240 | 0,9430 *n* | 9,8164 | + 0,02 |
| Sept. 7 | 9,9057 | 0,9081 | 1,2519 | 0,7467 *n* | 9,8342 | + 0,02 |
| 17 | 9,9143 | 0,9055 | 1,2664 | 0,3454 *n* | 9,8512 | + 0,02 |
| 27 | 9,9223 | 0,9064 | 1,2682 | 0,0911 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9303 | 0,9108 | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| 17 | 9,9389 | 0,9184 | 1,2324 | 0,9019 | 9,8986 | + 0,01 |
| 27 | 9,9484 | 0,9282 | 1,1920 | 1,0442 | 9,9134 | + 0,01 |
| Nov. 6 | 9,9591 | 0,9393 | 1,1323 | 1,1413 | 9,9276 | + 0,01 |
| 16 | 9,9711 | 0,9503 | 1,0469 | 1,2098 | 9,9414 | + 0,01 |
| 26 | 9,9840 | 0,9601 | 0,9225 | 1,2573 | 9,9547 | + 0,01 |
| Dec. 6 | 9,9977 | 0,9677 | 0,7260 | 1,2879 | 9,9677 | + 0,01 |
| 16 | 0,0118 | 0,9723 | 0,3229 | 1,3037 | 9,9803 | + 0,01 |
| 26 | 0,0258 | 0,9737 | 0,0740 *n* | 1,3056 | 9,9925 | + 0,01 |
| 36 | 0,0392 | 0,9717 | 0,6474 *n* | 1,2938 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1829.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 0 | 8,9140 | 0,9728 | 0,5090 *n* | 1,2999 | — ∞ | + 0″,01 |
| 10 | 9,0583 | 0,9689 | 0,8067 *n* | 1,2790 | 8,4362 | + 0,01 |
| 20 | 9,1600 | 0,9623 | 0,9723 *n* | 1,2426 | 8,7373 | + 0,01 |
| 30 | 9,2352 | 0,9539 | 1,0812 *n* | 1,1878 | 8,9134 | + 0,01 |
| Febr. 9 | 9,2920 | 0,9447 | 1,1569 *n* | 1,1095 | 9,0383 | + 0,01 |
| 19 | 9,3360 | 0,9360 | 1,2093 *n* | 0,9972 | 9,1352 | + 0,01 |
| Mart. 1 | 9,3708 | 0,9291 | 1,2438 *n* | 0,8268 | 9,2144 | + 0,01 |
| 11 | 9,3997 | 0,9248 | 1,2632 *n* | 0,5187 | 9,2813 | + 0,01 |
| 21 | 9,4252 | 0,9238 | 1,2690 *n* | 9,2764 *n* | 9,3393 | + 0,01 |
| 31 | 9,4494 | 0,9264 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,01 |
| Apr. 10 | 9,4740 | 0,9321 | 1,2415 *n* | 0,8447 *n* | 9,4362 | 0,00 |
| 20 | 9,5001 | 0,9402 | 1,2068 *n* | 1,0048 *n* | 9,4776 | 0,00 |
| 30 | 9,5281 | 0,9497 | 1,1556 *n* | 1,1113 *n* | 9,5154 | 0,00 |
| Maj. 10 | 9,5579 | 0,9594 | 1,0835 *n* | 1,1862 *n* | 9,5502 | 0,00 |
| 20 | 9,5892 | 0,9685 | 0,9822 *n* | 1,2391 *n* | 9,5824 | 0,00 |
| 30 | 9,6210 | 0,9759 | 0,8338 *n* | 1,2751 *n* | 9,6123 | 0,00 |
| Jun. 9 | 9,6526 | 0,9810 | 0,5867 *n* | 1,2969 *n* | 9,6404 | 0,00 |
| 19 | 9,6830 | 0,9835 | 9,9036 *n* | 1,3061 *n* | 9,6667 | 0,00 |
| 29 | 9,7117 | 0,9830 | 0,3573 | 1,3032 *n* | 9,6915 | 0,00 |
| Jul. 9 | 9,7381 | 0,9797 | 0,7236 | 1,2882 *n* | 9,7150 | 0,00 |
| 19 | 9,7617 | 0,9739 | 0,9118 | 1,2600 *n* | 9,7373 | 0,00 |
| 29 | 9,7825 | 0,9661 | 1,0339 | 1,2167 *n* | 9,7585 | 0,00 |
| Aug. 8 | 9,8004 | 0,9572 | 1,1196 | 1,1550 *n* | 9,7787 | 0,00 |
| 18 | 9,8157 | 0,9480 | 1,1809 | 1,0681 *n* | 9,7980 | 0,00 |
| 28 | 9,8287 | 0,9396 | 1,2240 | 0,9430 *n* | 9,8164 | 0,00 |
| Sept. 7 | 9,8398 | 0,9331 | 1,2519 | 0,7467 *n* | 9,8342 | 0,00 |
| 17 | 9,8497 | 0,9292 | 1,2664 | 0,3453 *n* | 9,8512 | 0,00 |
| 27 | 9,8589 | 0,9286 | 1,2683 | 0,0911 | 9,8676 | 0,00 |
| Oct. 7 | 9,8681 | 0,9314 | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| 17 | 9,8779 | 0,9371 | 1,2324 | 0,9019 | 9,8986 | — 0,01 |
| 27 | 9,8888 | 0,9452 | 1,1920 | 1,0442 | 9,9134 | — 0,01 |
| Nov. 6 | 9,9009 | 0,9544 | 1,1323 | 1,1413 | 9,9276 | — 0,01 |
| 16 | 9,9145 | 0,9637 | 1,0469 | 1,2098 | 9,9414 | — 0,01 |
| 26 | 9,9292 | 0,9719 | 0,9225 | 1,2573 | 9,9547 | — 0,01 |
| Dec. 6 | 9,9447 | 0,9779 | 0,7260 | 1,2879 | 9,9677 | — 0,01 |
| 16 | 9,9606 | 0,9812 | 0,3229 | 1,3037 | 9,9803 | — 0,01 |
| 26 | 9,9762 | 0,9812 | 0,0740 *n* | 1,3056 | 9,9925 | — 0,01 |
| 36 | 9,9912 | 0,9780 | 0,6474 *n* | 1,2938 | 0,0044 | 0,00 |

# Tabula VIII.

## 1830.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 8,5111 *n* | 0,9796 | 0,5089 *n* | 1,2999 | — ∞ | ″0,00 |
| | 10 | 6,2305 *n* | 0,9744 | 0,8066 *n* | 1,2790 | 8,4362 | 0,00 |
| | 20 | 8,4767 | 0,9665 | 0,9723 *n* | 1,2426 | 8,7373 | 0,00 |
| | 30 | 8,7578 | 0,9568 | 1,0812 *n* | 1,1879 | 8,9134 | 0,00 |
| Febr. | 9 | 8,9100 | 0,9462 | 1,1569 *n* | 1,1095 | 9,0383 | 0,00 |
| | 19 | 9,0092 | 0,9361 | 1,2093 *n* | 0,9972 | 9,1352 | — 0,01 |
| Mart. | 1 | 9,0801 | 0,9277 | 1,2438 *n* | 0,8268 | 9,2144 | — 0,01 |
| | 11 | 9,1349 | 0,9219 | 1,2632 *n* | 0,5187 | 9,2813 | — 0,01 |
| | 21 | 9,1808 | 0,9194 | 1,2690 *n* | 9,2763 *n* | 9,3393 | — 0,01 |
| | 31 | 9,2225 | 0,9205 | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,01 |
| Apr. | 10 | 9,2633 | 0,9248 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,01 |
| | 20 | 9,3050 | 0,9316 | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,01 |
| | 30 | 9,3482 | 0,9398 | 1,1556 *n* | 1,1113 *n* | 9,5154 | — 0,02 |
| Maj. | 10 | 9,3928 | 0,9484 | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,02 |
| | 20 | 9,4379 | 0,9563 | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,02 |
| | 30 | 9,4825 | 0,9626 | 0,8338 *n* | 1,2751 *n* | 9,6123 | — 0,02 |
| Jun. | 9 | 9,5254 | 0,9665 | 0,5866 *n* | 1,2969 *n* | 9,6404 | — 0,02 |
| | 19 | 9,5660 | 0,9677 | 9,9035 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| | 29 | 9,6033 | 0,9658 | 0,3574 | 1,3032 *n* | 9,6915 | — 0,01 |
| Jul. | 9 | 9,6396 | 0,9611 | 0,7236 | 1,2882 *n* | 9,7150 | — 0,01 |
| | 19 | 9,6667 | 0,9536 | 0,9118 | 1,2600 *n* | 9,7373 | — 0,01 |
| | 29 | 9,6926 | 0,9441 | 1,0339 | 1,2167 *n* | 9,7585 | — 0,01 |
| Aug. | 8 | 9,7147 | 0,9332 | 1,1196 | 1,1550 *n* | 9,7787 | — 0,01 |
| | 18 | 9,7334 | 0,9221 | 1,1809 | 1,0681 *n* | 9,7980 | — 0,01 |
| | 28 | 9,7492 | 0,9117 | 1,2240 | 0,9430 *n* | 9,8164 | — 0,01 |
| Sept. | 7 | 9,7627 | 0,9031 | 1,2519 | 0,7467 *n* | 9,8342 | — 0,02 |
| | 17 | 9,7746 | 0,8974 | 1,2664 | 0,3453 *n* | 9,8512 | — 0,02 |
| | 27 | 9,7857 | 0,8952 | 1,2683 | 0,0911 | 9,8676 | — 0,02 |
| Oct. | 7 | 9,7967 | 0,8966 | 1,2572 | 0,6688 | 9,8834 | — 0,02 |
| | 17 | 9,8084 | 0,9014 | 1,2324 | 0,9019 | 9,8986 | — 0,02 |
| | 27 | 9,8213 | 0,9086 | 1,1920 | 1,0442 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8356 | 0,9172 | 1,1323 | 1,1413 | 9,9276 | — 0,02 |
| | 16 | 9,8515 | 0,9258 | 1,0469 | 1,2098 | 9,9414 | — 0,02 |
| | 26 | 9,8686 | 0,9333 | 0,9225 | 1,2573 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,8866 | 0,9386 | 0,7261 | 1,2879 | 9,9677 | — 0,02 |
| | 16 | 9,9043 | 0,9408 | 0,3230 | 1,3037 | 9,9803 | — 0,02 |
| | 26 | 9,9228 | 0,9394 | 0,0739 *n* | 1,3056 | 9,9925 | — 0,02 |
| | 36 | 9,9398 | 0,9344 | 0,6474 *n* | 1,2938 | 0,0044 | — 0,02 |

# Tabula VIII.

## 1831.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,1521 *n* | 0,9367 | 0,5089 *n* | 1,2999 | — ∞ | — 0,02 |
| | 10 | 9,0387 *n* | 0,9296 | 0,8066 *n* | 1,2790 | 8,4362 | — 0,02 |
| | 20 | 8,8968 *n* | 0,9194 | 0,9722 *n* | 1,2426 | 8,7373 | — 0,02 |
| | 30 | 8,7095 *n* | 0,9072 | 1,0812 *n* | 1,1879 | 8,9134 | — 0,02 |
| Febr. | 9 | 8,4288 *n* | 0,8937 | 1,1569 *n* | 1,1095 | 9,0383 | — 0,02 |
| | 19 | 7,7497 *n* | 0,8808 | 1,2093 *n* | 0,9972 | 9,1352 | — 0,02 |
| Mart. | 1 | 8,1099 | 0,8696 | 1,2438 *n* | 0,8269 | 9,2144 | — 0,02 |
| | 11 | 8,4686 | 0,8614 | 1,2632 *n* | 0,5188 | 9,2813 | — 0,02 |
| | 21 | 8,6535 | 0,8569 | 1,2690 *n* | 9,2762 *n* | 9,3393 | — 0,03 |
| | 31 | 8,7834 | 0,8565 | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,03 |
| Apr. | 10 | 8,8898 | 0,8599 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,03 |
| | 20 | 8,9845 | 0,8662 | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,03 |
| | 30 | 9,0721 | 0,8742 | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,03 |
| Maj. | 10 | 9,1541 | 0,8727 | 1,0835 *n* | 1,1862 *n* | 9,5502 | — 0,03 |
| | 20 | 9,2306 | 0,8904 | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,03 |
| | 30 | 9,3014 | 0,8963 | 0,8338 *n* | 1,2751 *n* | 9,6123 | — 0,03 |
| Jun. | 9 | 9,3659 | 0,8995 | 0,5866 *n* | 1,2970 *n* | 9,6404 | — 0,03 |
| | 19 | 9,4240 | 0,8994 | 9,9034 *n* | 1,3061 *n* | 9,6667 | — 0,03 |
| | 29 | 9,4757 | 0,8958 | 0,3574 | 1,3032 *n* | 9,6915 | — 0,03 |
| Jul. | 9 | 9,5209 | 0,8888 | 0,7236 | 1,2882 *n* | 9,7150 | — 0,03 |
| | 19 | 9,5600 | 0,8785 | 0,9118 | 1,2600 *n* | 9,7373 | — 0,03 |
| | 29 | 9,5934 | 0,8657 | 1,0339 | 1,2167 *n* | 9,7585 | — 0,03 |
| Aug. | 8 | 9,6216 | 0,8511 | 1,1196 | 1,1550 *n* | 9,7787 | — 0,03 |
| | 18 | 9,6452 | 0,8360 | 1,1809 | 1,0681 *n* | 9,7980 | — 0,03 |
| | 28 | 9,6650 | 0,8216 | 1,2240 | 0,9430 *n* | 9,8164 | — 0,03 |
| Sept. | 7 | 9,6818 | 0,8095 | 1,2519 | 0,7467 *n* | 9,8342 | — 0,03 |
| | 17 | 9,6966 | 0,8007 | 1,2664 | 0,3453 *n* | 9,8512 | — 0,03 |
| | 27 | 9,7103 | 0,7962 | 1,2683 | 0,0911 | 9,8676 | — 0,03 |
| Oct. | 7 | 9,7239 | 0,7963 | 1,2572 | 0,6688 | 9,8834 | — 0,04 |
| | 17 | 9,7381 | 0,8006 | 1,2325 | 0,9019 | 9,8986 | — 0,04 |
| | 27 | 9,7537 | 0,8081 | 1,1920 | 1,0442 | 9,9134 | — 0,04 |
| Nov. | 6 | 9,7708 | 0,8173 | 1,1323 | 1,1413 | 9,9276 | — 0,04 |
| | 16 | 9,7896 | 0,8267 | 1,0469 | 1,2098 | 9,9414 | — 0,04 |
| | 26 | 9,8097 | 0,8346 | 0,9225 | 1,2573 | 9,9547 | — 0,04 |
| Dec. | 6 | 9,8306 | 0,8397 | 0,7261 | 1,2879 | 9,9677 | — 0,04 |
| | 16 | 9,8517 | 0,8410 | 0,3230 | 1,3037 | 9,9803 | — 0,04 |
| | 26 | 9,8723 | 0,8378 | 0,0739 *n* | 1,3056 | 9,9925 | — 0,04 |
| | 36 | 9,8917 | 0,8301 | 0,6473 *n* | 1,2938 | 0,0044 | — 0,04 |

# Tabula VIII.

## 1832.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| Jan. 1 | 9,3680 *n* | 0,8335 | 0,5089 *n* | 1,2999 | — ∞ | —0,04″ |
| 11 | 9,3012 *n* | 0,8230 | 0,8066 *n* | 1,2791 | 8,4362 | —0,03 |
| 21 | 9,2277 *n* | 0,8084 | 0,9722 *n* | 1,2426 | 8,7373 | —0,03 |
| 31 | 9,1481 *n* | 0,7908 | 1,0812 *n* | 1,1879 | 8,9134 | —0,03 |
| Febr. 10 | 9,0628 *n* | 0,7717 | 1,1569 *n* | 1,1095 | 9,0383 | —0,03 |
| 20 | 8,9716 *n* | 0,7528 | 1,2093 *n* | 0,9972 | 9,1352 | —0,04 |
| Mart. 1 | 8,8731 *n* | 0,7359 | 1,2438 *n* | 0,8269 | 9,2144 | —0,04 |
| 11 | 8,7575 *n* | 0,7229 | 1,2632 *n* | 0,5188 | 9,2813 | —0,04 |
| 21 | 8,6118 *n* | 0,7150 | 1,2690 *n* | 9,2760 *n* | 9,3393 | —0,04 |
| 31 | 8,3890 *n* | 0,7127 | 1,2619 *n* | 0,5628 *n* | 9,3905 | —0,04 |
| Apr. 10 | 7,8389 *n* | 0,7156 | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,04 |
| 20 | 8,1055 | 0,7226 | 1,2068 *n* | 1,0048 *n* | 9,4776 | —0,04 |
| 30 | 8,5446 | 0,7321 | 1,1556 *n* | 1,1114 *n* | 9,5154 | —0,04 |
| Maj. 10 | 8,7805 | 0,7422 | 1,0834 *n* | 1,1862 *n* | 9,5502 | —0,04 |
| 20 | 8,9472 | 0,7513 | 0,9822 *n* | 1,2391 *n* | 9,5824 | —0,04 |
| 30 | 9,0770 | 0,7578 | 0,8338 *n* | 1,2751 *n* | 9,6123 | —0,04 |
| Jun. 9 | 9,1825 | 0,7607 | 0,5866 *n* | 1,2970 *n* | 9,6404 | —0,04 |
| 19 | 9,2702 | 0,7591 | 9,9034 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| 29 | 9,3436 | 0,7527 | 0,3575 | 1,3032 *n* | 9,6915 | —0,04 |
| Jul. 9 | 9,4052 | 0,7413 | 0,7236 | 1,2882 *n* | 9,7150 | —0,04 |
| 19 | 9,4568 | 0,7253 | 0,9118 | 1,2600 *n* | 9,7373 | —0,04 |
| 29 | 9,4998 | 0,7052 | 1,0340 | 1,2167 *n* | 9,7585 | —0,04 |
| Aug. 8 | 9,5355 | 0,6823 | 1,1196 | 1,1550 *n* | 9,7787 | —0,04 |
| 18 | 9,5651 | 0,6580 | 1,1809 | 1,0681 *n* | 9,7980 | —0,04 |
| 28 | 9,5897 | 0,6344 | 1,2240 | 0,9430 *n* | 9,8164 | —0,04 |
| Sept. 7 | 9,6105 | 0,6136 | 1,2519 | 0,7467 *n* | 9,8342 | —0,04 |
| 17 | 9,6287 | 0,5978 | 1,2664 | 0,3453 *n* | 9,8512 | —0,04 |
| 27 | 9,6455 | 0,5887 | 1,2683 | 0,0911 | 9,8676 | —0,04 |
| Oct. 7 | 9,6621 | 0,5869 | 1,2572 | 0,6688 | 9,8834 | —0,05 |
| 17 | 9,6792 | 0,5919 | 1,2325 | 0,9019 | 9,8986 | —0,05 |
| 27 | 9,6977 | 0,6021 | 1,1920 | 1,0442 | 9,9134 | —0,05 |
| Nov. 6 | 9,7179 | 0,6150 | 1,1323 | 1,1413 | 9,9276 | —0,05 |
| 16 | 9,7398 | 0,6281 | 1,0469 | 1,2098 | 9,9414 | —0,05 |
| 26 | 9,7629 | 0,6390 | 0,9225 | 1,2573 | 9,9547 | —0,05 |
| Dec. 6 | 9,7868 | 0,6453 | 0,7261 | 1,2879 | 9,9677 | —0,05 |
| 16 | 9,8107 | 0,6458 | 0,3231 | 1,3037 | 9,9803 | —0,05 |
| 26 | 9,8338 | 0,6393 | 0,0738 *n* | 1,3056 | 9,9925 | —0,04 |
| 36 | 9,8555 | 0,6254 | 0,6473 *n* | 1,2938 | 0,0044 | —0,04 |

# Tabula VIII.

## 1833.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *r* | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4714 *n* | 0,6315 | 0,5089 *n* | 1,2999 | — ∞ | — 0,04 |
| 10 | 9,4182 *n* | 0,6129 | 0,8066 *n* | 1,2791 | 8,4362 | — 0,04 |
| 20 | 9,3614 *n* | 0,5874 | 0,9722 *n* | 1,2426 | 8,7373 | — 0,04 |
| 30 | 9,3025 *n* | 0,5560 | 1,0812 *n* | 1,1879 | 8,9134 | — 0,04 |
| Febr. 9 | 9,2422 *n* | 0,5207 | 1,1569 *n* | 1,1095 | 9,0383 | — 0,04 |
| 19 | 9,1814 *n* | 0,4843 | 1,2093 *n* | 0,9972 | 9,1352 | — 0,04 |
| Mart. 1 | 9,1179 *n* | 0,4503 | 1,2438 *n* | 0,8269 | 9,2144 | — 0,04 |
| 11 | 9,0552 *n* | 0,4225 | 1,2632 *n* | 0,5188 | 9,2813 | — 0,05 |
| 21 | 8,9838 *n* | 0,4043 | 1,2690 *n* | 9,2759 *n* | 9,3393 | — 0,05 |
| 31 | 8,8974 *n* | 0,3972 | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,7813 *n* | 0,4009 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,05 |
| 20 | 8,6005 *n* | 0,4132 | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,05 |
| 30 | 8,2199 *n* | 0,4302 | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 7,9836 | 0,4484 | 1,0834 *n* | 1,1862 *n* | 9,5502 | — 0,05 |
| 20 | 8,5889 | 0,4642 | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 8,8489 | 0,4750 | 0,8338 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,0188 | 0,4788 | 0,5866 *n* | 1,2970 *n* | 9,6404 | — 0,05 |
| 19 | 9,1443 | 0,4741 | 9,9033 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,2423 | 0,4599 | 0,3575 | 1,3032 *n* | 9,6915 | — 0,05 |
| Jul. 9 | 9,3207 | 0,4355 | 0,7237 | 1,2882 *n* | 9,7150 | — 0,05 |
| 19 | 9,3844 | 0,4006 | 0,9119 | 1,2600 *n* | 9,7373 | — 0,05 |
| 29 | 9,4364 | 0,3552 | 1,0340 | 1,2167 *n* | 9,7585 | — 0,04 |
| Aug. 8 | 9,4788 | 0,2998 | 1,1196 | 1,1550 *n* | 9,7787 | — 0,04 |
| 18 | 9,5137 | 0,2363 | 1,1809 | 1,0681 *n* | 9,7980 | — 0,04 |
| 28 | 9,5425 | 0,1679 | 1,2240 | 0,9430 *n* | 9,8164 | — 0,05 |
| Sept. 7 | 9,5668 | 0,1007 | 1,2519 | 0,7466 *n* | 9,8342 | — 0,05 |
| 17 | 9,5881 | 0,0434 | 1,2664 | 0,3453 *n* | 9,8512 | — 0,05 |
| 27 | 9,6076 | 0,0059 | 1,2683 | 0,0911 | 9,8676 | — 0,05 |
| Oct. 7 | 9,6266 | 9,9952 | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6462 | 0,0108 | 1,2325 | 0,9019 | 9,8986 | — 0,05 |
| 27 | 9,6671 | 0,0452 | 1,1920 | 1,0442 | 9,9134 | — 0,05 |
| Nov. 6 | 9,6896 | 0,0874 | 1,1323 | 1,1413 | 9,9276 | — 0,05 |
| 16 | 9,7137 | 0,1276 | 1,0469 | 1,2098 | 9,9414 | — 0,05 |
| 26 | 9,7390 | 0,1586 | 0,9225 | 1,2573 | 9,9547 | — 0,05 |
| Dec. 6 | 9,7650 | 0,1756 | 0,7261 | 1,2879 | 9,9677 | — 0,05 |
| 16 | 9,7908 | 0,1750 | 0,3231 | 1,3037 | 9,9803 | — 0,05 |
| 26 | 9,8156 | 0,1534 | 0,0737 *n* | 1,3056 | 9,9925 | — 0,05 |
| 36 | 9,8389 | 0,1071 | 0,6473 *n* | 1,2938 | 0,0044 | — 0,05 |

# Tabula VIII.

## 1834.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5097 *n* | 0,1277 | 0,5088 *n* | 1,2999 | — ∞ | —″0,05 |
| | 10 | 9,4597 *n* | 0,0631 | 0,8066 *n* | 1,2791 | 8,4362 | —0,05 |
| | 20 | 9,4067 *n* | 9,9619 | 0,9722 *n* | 1,2426 | 8,7373 | —0,05 |
| | 30 | 9,3520 *n* | 9,8065 | 1,0812 *n* | 1,1879 | 8,9134 | —0,05 |
| Febr. | 9 | 9,2964 *n* | 9,5494 | 1,1569 *n* | 1,1095 | 9,0383 | —0,05 |
| | 19 | 9,2406 *n* | 8,9165 | 1,2093 *n* | 0,9972 | 9,1352 | —0,05 |
| Mart. | 1 | 9,1843 *n* | 9,1819 *n* | 1,2438 *n* | 0,8269 | 9,2144 | —0,05 |
| | 11 | 9,1260 *n* | 9,5203 *n* | 1,2632 *n* | 0,5188 | 9,2813 | —0,05 |
| | 21 | 9,0622 *n* | 9,6483 *n* | 1,2690 *n* | 9,2758 *n* | 9,3393 | —0,05 |
| | 31 | 8,9868 *n* | 9,6903 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | —0,05 |
| Apr. | 10 | 8,8890 *n* | 9,6743 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,05 |
| | 20 | 8,7469 *n* | 9,6069 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | —0,05 |
| | 30 | 8,4990 *n* | 9,4830 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | —0,05 |
| Maj. | 10 | 7,6325 *n* | 9,2843 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | —0,05 |
| | 20 | 8,4136 | 8,9599 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | —0,05 |
| | 30 | 8,7692 | 8,3111 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | —0,05 |
| Jun. | 9 | 8,9713 | 7,5079 | 0,5866 *n* | 1,2970 *n* | 9,6404 | —0,05 |
| | 19 | 9,1128 | 8,4955 *n* | 9,9032 *n* | 1,3061 *n* | 9,6667 | —0,05 |
| | 29 | 9,2200 | 9,1104 *n* | 0,3575 | 1,3032 *n* | 9,6915 | —0,05 |
| Jul. | 9 | 9,3045 | 9,4591 *n* | 0,7237 | 1,2882 *n* | 9,7150 | —0,05 |
| | 19 | 9,3723 | 9,6988 *n* | 0,9119 | 1,2600 *n* | 9,7373 | —0,05 |
| | 29 | 9,4273 | 9,8755 *n* | 1,0340 | 1,2167 *n* | 9,7585 | —0,05 |
| Aug. | 8 | 9,4722 | 0,0098 *n* | 1,1196 | 1,1549 *n* | 9,7787 | —0,05 |
| | 18 | 9,5089 | 0,1122 *n* | 1,1809 | 1,0681 *n* | 9,7980 | —0,05 |
| | 28 | 9,5394 | 0,1892 *n* | 1,2240 | 0,9430 *n* | 9,8164 | —0,05 |
| Sept. | 7 | 9,5651 | 0,2448 *n* | 1,2519 | 0,7466 *n* | 9,8342 | —0,05 |
| | 17 | 9,5876 | 0,2817 *n* | 1,2664 | 0,3453 *n* | 9,8512 | —0,05 |
| | 27 | 9,6082 | 0,3019 *n* | 1,2683 | 0,0911 | 9,8676 | —0,05 |
| Oct. | 7 | 9,6283 | 0,3071 *n* | 1,2572 | 0,6688 | 9,8834 | —0,05 |
| | 17 | 9,6488 | 0,2990 *n* | 1,2325 | 0,9019 | 9,8986 | —0,05 |
| | 27 | 9,6705 | 0,2799 *n* | 1,1920 | 1,0442 | 9,9134 | —0,05 |
| Nov. | 6 | 9,6937 | 0,2530 *n* | 1,1323 | 1,1413 | 9,9276 | —0,05 |
| | 16 | 9,7185 | 0,2228 *n* | 1,0469 | 1,2098 | 9,9414 | —0,05 |
| | 26 | 9,7444 | 0,1956 *n* | 0,9225 | 1,2573 | 9,9547 | —0,05 |
| Dec. | 6 | 9,7708 | 0,1787 *n* | 0,7261 | 1,2879 | 9,9677 | —0,05 |
| | 16 | 9,7969 | 0,1786 *n* | 0,3231 | 1,3037 | 9,9803 | —0,05 |
| | 26 | 9,8221 | 0,1982 *n* | 0,0736 *n* | 1,3056 | 9,9925 | —0,05 |
| | 36 | 9,8457 | 0,2356 *n* | 0,6473 *n* | 1,2938 | 0,0044 | —0,05 |

# Tabula VIII.

## 1835.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,4953 *n* | 0,2197 *n* | 0,5088 *n* | 1,2999 | — ∞ | — 0,05 |
| 10 | 9,4420 *n* | 0,2650 *n* | 0,8066 *n* | 1,2791 | 8,4362 | — 0,04 |
| 20 | 9,3849 *n* | 0,3176 *n* | 0,9722 *n* | 1,2426 | 8,7373 | — 0,04 |
| 30 | 9,3249 *n* | 0,3710 *n* | 1,0812 *n* | 1,1879 | 8,9134 | — 0,04 |
| Febr. 9 | 9,2632 *n* | 0,4203 *n* | 1,1569 *n* | 1,1095 | 9,0383 | — 0,04 |
| 19 | 9,1999 *n* | 0,4624 *n* | 1,2093 *n* | 0,9972 | 9,1352 | — 0,04 |
| Mart. 1 | 9,1344 *n* | 0,4955 *n* | 1,2438 *n* | 0,8269 | 9,2144 | — 0,04 |
| 11 | 9,0647 *n* | 0,5191 *n* | 1,2632 *n* | 0,5188 | 9,2813 | — 0,05 |
| 21 | 8,9858 *n* | 0,5332 *n* | 1,2690 *n* | 9,2757 *n* | 9,3393 | — 0,05 |
| 31 | 8,8887 *n* | 0,5382 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,05 |
| Apr. 10 | 8,7544 *n* | 0,5353 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,05 |
| 20 | 8,5342 *n* | 0,5259 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,05 |
| 30 | 7,9504 *n* | 0,5119 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,05 |
| Maj. 10 | 8,2867 | 0,4959 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | — 0,05 |
| 20 | 8,7037 | 0,4807 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,05 |
| 30 | 8,9262 | 0,4695 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | — 0,05 |
| Jun. 9 | 9,0800 | 0,4650 *n* | 0,5866 *n* | 1,2970 *n* | 9,6404 | — 0,05 |
| 19 | 9,1966 | 0,4690 *n* | 9,9031 *n* | 1,3061 *n* | 9,6667 | — 0,05 |
| 29 | 9,2890 | 0,4821 *n* | 0,3576 | 1,3032 *n* | 9,6915 | — 0,04 |
| Jul. 9 | 9,3639 | 0,5032 *n* | 0,7237 | 1,2882 *n* | 9,7150 | — 0,04 |
| 19 | 9,4252 | 0,5302 *n* | 0,9119 | 1,2600 *n* | 9,7373 | — 0,04 |
| 29 | 9,4757 | 0,5603 *n* | 1,0340 | 1,2167 *n* | 9,7585 | — 0,04 |
| Aug. 8 | 9,5173 | 0,5907 *n* | 1,1196 | 1,1549 *n* | 9,7787 | — 0,04 |
| 18 | 9,5517 | 0,6191 *n* | 1,1809 | 1,0681 *n* | 9,7980 | — 0,04 |
| 28 | 9,5805 | 0,6437 *n* | 1,2240 | 0,9430 *n* | 9,8164 | — 0,04 |
| Sept. 7 | 9,6050 | 0,6632 *n* | 1,2519 | 0,7466 *n* | 9,8342 | — 0,04 |
| 17 | 9,6265 | 0,6768 *n* | 1,2664 | 0,3453 *n* | 9,8512 | — 0,04 |
| 27 | 9,6464 | 0,6842 *n* | 1,2683 | 0,0912 | 9,8676 | — 0,04 |
| Oct. 7 | 9,6657 | 0,6855 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,05 |
| 17 | 9,6854 | 0,6813 *n* | 1,2325 | 0,9019 | 9,8986 | — 0,05 |
| 27 | 9,7062 | 0,6725 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,05 |
| Nov. 6 | 9,7284 | 0,6608 *n* | 1,1323 | 1,1413 | 9,9276 | — 0,05 |
| 16 | 9,7520 | 0,6482 *n* | 1,0469 | 1,2098 | 9,9414 | — 0,05 |
| 26 | 9,7767 | 0,6371 *n* | 0,9225 | 1,2573 | 9,9547 | — 0,04 |
| Dec. 6 | 9,8019 | 0,6300 *n* | 0,7261 | 1,2879 | 9,9677 | — 0,04 |
| 16 | 9,8269 | 0,6288 *n* | 0,3232 | 1,3037 | 9,9803 | — 0,04 |
| 26 | 9,8510 | 0,6347 *n* | 0,0736 *n* | 1,3056 | 9,9925 | — 0,04 |
| 36 | 9,8736 | 0,6475 *n* | 0,6473 *n* | 1,2938 | 0,0044 | — 0,04 |

# Tabula VIII.

## 1836.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,4259 *n* | 0,6420 *n* | 0,5088 *n* | 1,2999 | — ∞ | —0,04 |
| 11 | 9,3608 *n* | 0,6585 *n* | 0,8066 *n* | 1,2791 | 8,4362 | —0,04 |
| 21 | 9,2889 *n* | 0,6795 *n* | 0,9722 *n* | 1,2427 | 8,7373 | —0,04 |
| 31 | 9,2105 *n* | 0,7024 *n* | 1,0812 *n* | 1,1879 | 8,9134 | —0,04 |
| Febr. 10 | 9,1254 *n* | 0,7251 *n* | 1,1569 *n* | 1,1095 | 9,0383 | —0,04 |
| 20 | 9,0323 *n* | 0,7454 *n* | 1,2093 *n* | 0,9972 | 9,1352 | —0,04 |
| Mart. 1 | 8,9277 *n* | 0,7621 *n* | 1,2438 *n* | 0,8269 | 9,2144 | —0,04 |
| 11 | 8,8032 *n* | 0,7740 *n* | 1,2632 *n* | 0,5188 | 9,2813 | —0,04 |
| 21 | 8,6376 *n* | 0,7809 *n* | 1,2690 *n* | 9,2756 *n* | 9,3393 | —0,04 |
| 31 | 8,3644 *n* | 0,7828 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | —0,04 |
| Apr. 10 | 7,2330 *n* | 0,7802 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | —0,04 |
| 20 | 8,3379 | 0,7738 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | —0,04 |
| 30 | 8,6805 | 0,7649 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | —0,04 |
| Maj. 10 | 8,8866 | 0,7549 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | —0,04 |
| 20 | 9,0377 | 0,7455 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | —0,04 |
| 30 | 9,1576 | 0,7383 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | —0,04 |
| Jun. 9 | 9,2563 | 0,7346 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | —0,04 |
| 19 | 9,3390 | 0,7356 *n* | 9,9030 *n* | 1,3061 *n* | 9,6667 | —0,04 |
| 29 | 9,4089 | 0,7416 *n* | 0,3576 | 1,3032 *n* | 9,6915 | —0,03 |
| Jul. 9 | 9,4681 | 0,7521 *n* | 0,7237 | 1,2882 *n* | 9,7150 | —0,03 |
| 19 | 9,5181 | 0,7663 *n* | 0,9119 | 1,2600 *n* | 9,7373 | —0,03 |
| 29 | 9,5603 | 0,7829 *n* | 1,0340 | 1,2167 *n* | 9,7585 | —0,03 |
| Aug. 8 | 9,5957 | 0,8003 *n* | 1,1196 | 1,1549 *n* | 9,7787 | —0,03 |
| 18 | 9,6255 | 0,8169 *n* | 1,1810 | 1,0681 *n* | 9,7980 | —0,03 |
| 28 | 9,6506 | 0,8316 *n* | 1,2240 | 0,9430 *n* | 9,8164 | —0,03 |
| Sept. 7 | 9,6723 | 0,8433 *n* | 1,2519 | 0,7466 *n* | 9,8342 | —0,03 |
| 17 | 9,6915 | 0,8513 *n* | 1,2664 | 0,3452 *n* | 9,8512 | —0,03 |
| 27 | 9,7093 | 0,8553 *n* | 1,2683 | 0,0912 | 9,8676 | —0,03 |
| Oct. 7 | 9,7266 | 0,8551 *n* | 1,2572 | 0,6688 | 9,8834 | —0,03 |
| 17 | 9,7444 | 0,8511 *n* | 1,2325 | 0,9019 | 9,8986 | —0,03 |
| 27 | 9,7632 | 0,8441 *n* | 1,1920 | 1,0442 | 9,9134 | —0,04 |
| Nov. 6 | 9,7833 | 0,8352 *n* | 1,1323 | 1,1413 | 9,9276 | —0,04 |
| 16 | 9,8046 | 0,8256 *n* | 1,0469 | 1,2098 | 9,9414 | —0,03 |
| 26 | 9,8271 | 0,8170 *n* | 0,9225 | 1,2573 | 9,9547 | —0,03 |
| Dec. 6 | 9,8500 | 0,8111 *n* | 0,7261 | 1,2879 | 9,9677 | —0,03 |
| 16 | 9,8729 | 0,8091 *n* | 0,3232 | 1,3037 | 9,9803 | —0,03 |
| 26 | 9,8950 | 0,8117 *n* | 0,0735 *n* | 1,3056 | 9,9925 | —0,03 |
| 36 | 9,9159 | 0,8191 *n* | 0,6472 *n* | 1,2938 | 0,0044 | —0,03 |

# Tabula VIII.

## 1837.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,2799 *n* | 0,8158 *n* | 0,5088 *n* | 1,2999 | — ∞ | — 0,03 |
| | 10 | 9,1837 *n* | 0,8257 *n* | 0,8066 *n* | 1,2791 | 8,4362 | — 0,03 |
| | 20 | 9,0681 *n* | 0,8388 *n* | 0,9722 *n* | 1,2427 | 8,7373 | — 0,03 |
| | 30 | 8,9250 *n* | 0,8537 *n* | 1,0812 *n* | 1,1879 | 8,9134 | — 0,02 |
| Febr. | 9 | 8,7366 *n* | 0,8687 *n* | 1,1569 *n* | 1,1095 | 9,0383 | — 0,02 |
| | 19 | 8,4484 *n* | 0,8823 *n* | 1,2093 *n* | 0,9972 | 9,1352 | — 0,02 |
| Mart. | 1 | 7,6405 *n* | 0,8934 *n* | 1,2438 *n* | 0,8269 | 9,2144 | — 0,02 |
| | 11 | 8,2403 | 0,9012 *n* | 1,2632 *n* | 0,5188 | 9,2813 | — 0,03 |
| | 21 | 8,5821 | 0,9053 *n* | 1,2690 *n* | 9,2754 *n* | 9,3393 | — 0,03 |
| | 31 | 8,7718 | 0,9056 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,03 |
| Apr. | 10 | 8,9096 | 0,9025 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,03 |
| | 20 | 9,0225 | 0,8966 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,03 |
| | 30 | 9,1210 | 0,8887 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,03 |
| Maj. | 10 | 9,2091 | 0,8800 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | — 0,03 |
| | 20 | 9,2889 | 0,8717 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,03 |
| | 30 | 9,3613 | 0,8651 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | — 0,03 |
| Jun. | 9 | 9,4266 | 0,8611 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | — 0,02 |
| | 19 | 9,4850 | 0,8605 *n* | 9,9029 *n* | 1,3061 *n* | 9,6667 | — 0,02 |
| | 29 | 9,5368 | 0,8637 *n* | 0,3576 | 1,3032 *n* | 9,6915 | — 0,02 |
| Jul. | 9 | 9,5823 | 0,8704 *n* | 0,7237 | 1,2882 *n* | 9,7150 | — 0,02 |
| | 19 | 9,6219 | 0,8801 *n* | 0,9119 | 1,2600 *n* | 9,7373 | — 0,02 |
| | 29 | 9,6560 | 0,8916 *n* | 1,0340 | 1,2167 *n* | 9,7585 | — 0,02 |
| Aug. | 8 | 9,6851 | 0,9040 *n* | 1,1196 | 1,1549 *n* | 9,7787 | — 0,02 |
| | 18 | 9,7099 | 0,9160 *n* | 1,1810 | 1,0681 *n* | 9,7980 | — 0,02 |
| | 28 | 9,7312 | 0,9266 *n* | 1,2240 | 0,9430 *n* | 9,8164 | — 0,02 |
| Sept. | 7 | 9,7497 | 0,9349 *n* | 1,2519 | 0,7466 *n* | 9,8342 | — 0,02 |
| | 17 | 9,7662 | 0,9403 *n* | 1,2664 | 0,3452 *n* | 9,8512 | — 0,02 |
| | 27 | 9,7816 | 0,9424 *n* | 1,2683 | 0,0912 | 9,8676 | — 0,02 |
| Oct. | 7 | 9,7967 | 0,9411 *n* | 1,2572 | 0,6688 | 9,8834 | — 0,02 |
| | 17 | 9,8122 | 0,9367 *n* | 1,2325 | 0,9019 | 9,8986 | — 0,02 |
| | 27 | 9,8287 | 0,9298 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,02 |
| Nov. | 6 | 9,8463 | 0,9212 *n* | 1,1323 | 1,1413 | 9,9276 | — 0,02 |
| | 16 | 9,8651 | 0,9121 *n* | 1,0469 | 1,2098 | 9,9414 | — 0,02 |
| | 26 | 9,8850 | 0,9038 *n* | 0,9226 | 1,2573 | 9,9547 | — 0,02 |
| Dec. | 6 | 9,9054 | 0,8977 *n* | 0,7261 | 1,2879 | 9,9677 | — 0,02 |
| | 16 | 9,9258 | 0,8947 *n* | 0,3232 | 1,3037 | 9,9803 | — 0,02 |
| | 26 | 9,9457 | 0,8956 *n* | 0,0734 *n* | 1,3056 | 9,9925 | — 0,01 |
| | 36 | 9,9645 | 0,9003 *n* | 0,6472 *n* | 1,2938 | 0,0044 | — 0,01 |

# Tabula VIII.

## 1838.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 8,9688 *n* | 0,8981 *n* | 0,5087 *n* | 1,2999 | — ∞ | — 0,01 |
| 10 | 8,7389 *n* | 0,9051 *n* | 0,8065 *n* | 1,2791 | 8,4362 | — 0,01 |
| 20 | 8,2714 *n* | 0,9148 *n* | 0,9722 *n* | 1,2427 | 8,7373 | — 0,01 |
| 30 | 8,1635 | 0,9260 *n* | 1,0812 *n* | 1,1879 | 8,9134 | — 0,01 |
| Febr. 9 | 8,6493 | 0,9375 *n* | 1,1568 *n* | 1,1095 | 9,0383 | — 0,01 |
| 19 | 8,8541 | 0,9479 *n* | 1,2093 *n* | 0,9972 | 9,1352 | — 0,01 |
| Mart. 1 | 8,9803 | 0,9563 *n* | 1,2438 *n* | 0,8269 | 9,2144 | — 0,01 |
| 11 | 9,0709 | 0,9619 *n* | 1,2632 *n* | 0,5188 | 9,2813 | — 0,01 |
| 21 | 9,1428 | 0,9643 *n* | 1,2690 *n* | 9,2753 *n* | 9,3393 | — 0,01 |
| 31 | 9,2047 | 0,9681 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,01 |
| Apr. 10 | 9,2616 | 0,9595 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,01 |
| 20 | 9,3162 | 0,9531 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,01 |
| 30 | 9,3697 | 0,9450 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,01 |
| Maj. 10 | 9,4222 | 0,9361 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | — 0,01 |
| 20 | 9,4733 | 0,9276 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | — 0,01 |
| 30 | 9,5224 | 0,9204 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | — 0,01 |
| Jun. 9 | 9,5689 | 0,9156 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | — 0,01 |
| 19 | 9,6121 | 0,9137 *n* | 9,9028 *n* | 1,3061 *n* | 9,6667 | — 0,01 |
| 29 | 9,6516 | 0,9152 *n* | 0,3577 | 1,3032 *n* | 9,6915 | — 0,01 |
| Jul. 9 | 9,6872 | 0,9198 *n* | 0,7237 | 1,2882 *n* | 9,7150 | — 0,01 |
| 19 | 9,7188 | 0,9271 *n* | 0,9119 | 1,2600 *n* | 9,7373 | 0,00 |
| 29 | 9,7465 | 0,9362 *n* | 1,0340 | 1,2167 *n* | 9,7585 | 0,00 |
| Aug. 8 | 9,7705 | 0,9462 *n* | 1,1196 | 1,1549 *n* | 9,7787 | 0,00 |
| 18 | 9,7912 | 0,9558 *n* | 1,1810 | 1,0681 *n* | 9,7980 | 0,00 |
| 28 | 9,8091 | 0,9643 *n* | 1,2240 | 0,9430 *n* | 9,8164 | 0,00 |
| Sept. 7 | 9,8247 | 0,9707 *n* | 1,2519 | 0,7466 *n* | 9,8342 | 0,00 |
| 17 | 9,8388 | 0,9744 *n* | 1,2664 | 0,3452 *n* | 9,8512 | 0,00 |
| 27 | 9,8520 | 0,9752 *n* | 1,2683 | 0,0912 | 9,8676 | 0,00 |
| Oct. 7 | 9,8650 | 0,9727 *n* | 1,2572 | 0,6688 | 9,8834 | 0,00 |
| 17 | 9,8784 | 0,9674 *n* | 1,2325 | 0,9019 | 9,8986 | — 0,01 |
| 27 | 9,8927 | 0,9598 *n* | 1,1920 | 1,0442 | 9,9134 | — 0,01 |
| Nov. 6 | 9,9080 | 0,9505 *n* | 1,1323 | 1,1413 | 9,9276 | — 0,01 |
| 16 | 9,9245 | 0,9407 *n* | 1,0469 | 1,2098 | 9,9414 | 0,00 |
| 26 | 9,9419 | 0,9316 *n* | 0,9226 | 1,2573 | 9,9547 | 0,00 |
| Dec. 6 | 9,9600 | 0,9245 *n* | 0,7262 | 1,2879 | 9,9677 | 0,00 |
| 16 | 9,9781 | 0,9203 *n* | 0,3233 | 1,3037 | 9,9803 | 0,00 |
| 26 | 9,9959 | 0,9198 *n* | 0,0734 *n* | 1,3056 | 9,9925 | 0,00 |
| 36 | 0,0127 | 0,9229 *n* | 0,6472 *n* | 1,2938 | 0,0044 | 0,00 |

# Tabula VIII.

## 1839.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 8,1793 | 0,9213 *n* | 0,5087 *n* | 1,2999 | — ∞ | 0,00 |
| | 10 | 8,7282 | 0,9266 *n* | 0,8065 *n* | 1,2791 | 8,4362 | 0,00 |
| | 20 | 8,9530 | 0,9344 *n* | 0,9722 *n* | 1,2427 | 8,7373 | + 0,01 |
| | 30 | 9,0904 | 0,9439 *n* | 1,0812 *n* | 1,1879 | 8,9134 | + 0,01 |
| Febr. | 9 | 9,1854 | 0,9536 *n* | 1,1568 *n* | 1,1095 | 9,0383 | + 0,01 |
| | 19 | 9,2558 | 0,9625 *n* | 1,2093 *n* | 0,9972 | 9,1352 | + 0,01 |
| Mart. | 1 | 9,3105 | 0,9693 *n* | 1,2438 *n* | 0,8269 | 9,2144 | + 0,01 |
| | 11 | 9,3554 | 0,9735 *n* | 1,2632 *n* | 0,5188 | 9,2813 | + 0,01 |
| | 21 | 9,3943 | 0,9746 *n* | 1,2690 *n* | 9,2752 *n* | 9,3393 | 0,00 |
| | 31 | 9,4302 | 0,9725 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | 0,00 |
| Apr. | 10 | 9,4651 | 0,9675 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | 0,00 |
| | 20 | 9,5001 | 0,9599 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | 0,00 |
| | 30 | 9,5359 | 0,9506 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | 0,00 |
| Maj. | 10 | 9,5724 | 0,9405 *n* | 1,0832 *n* | 1,1862 *n* | 9,5502 | 0,00 |
| | 20 | 9,6092 | 0,9307 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | 0,00 |
| | 30 | 9,6457 | 0,9222 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,01 |
| Jun. | 9 | 9,6811 | 0,9160 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | + 0,01 |
| | 19 | 9,7148 | 0,9127 *n* | 9,9027 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| | 29 | 9,7463 | 0,9128 *n* | 0,3577 | 1,3032 *n* | 9,6915 | + 0,01 |
| Jul. | 9 | 9,7752 | 0,9160 *n* | 0,7238 | 1,2882 *n* | 9,7150 | + 0,01 |
| | 19 | 9,8011 | 0,9220 *n* | 0,9119 | 1,2600 *n* | 9,7373 | + 0,01 |
| | 29 | 9,8241 | 0,9299 *n* | 1,0340 | 1,2167 *n* | 9,7585 | + 0,01 |
| Aug. | 8 | 9,8443 | 0,9386 *n* | 1,1196 | 1,1549 *n* | 9,7787 | + 0,01 |
| | 18 | 9,8618 | 0,9471 *n* | 1,1810 | 1,0681 *n* | 9,7980 | + 0,01 |
| | 28 | 9,8770 | 0,9545 *n* | 1,2240 | 0,9430 *n* | 9,8164 | + 0,01 |
| Sept. | 7 | 9,8904 | 0,9598 *n* | 1,2519 | 0,7466 *n* | 9,8342 | + 0,01 |
| | 17 | 9,9024 | 0,9623 *n* | 1,2665 | 0,3452 *n* | 9,8512 | + 0,01 |
| | 27 | 9,9138 | 0,9618 *n* | 1,2683 | 0,0912 | 9,8676 | + 0,01 |
| Oct. | 7 | 9,9251 | 0,9581 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| | 17 | 9,9367 | 0,9513 *n* | 1,2325 | 0,9019 | 9,8986 | + 0,01 |
| | 27 | 9,9492 | 0,9420 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,01 |
| Nov. | 6 | 9,9626 | 0,9310 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,01 |
| | 16 | 9,9771 | 0,9194 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,01 |
| | 26 | 9,9926 | 0,9084 *n* | 0,9226 | 1,2573 | 9,9547 | + 0,01 |
| Dec. | 6 | 0,0086 | 0,8994 *n* | 0,7262 | 1,2879 | 9,9677 | + 0,01 |
| | 16 | 0,0248 | 0,8936 *n* | 0,3233 | 1,3037 | 9,9803 | + 0,01 |
| | 26 | 0,0407 | 0,8915 *n* | 0,0733 *n* | 1,3056 | 9,9925 | + 0,02 |
| | 36 | 0,0558 | 0,8934 *n* | 0,6472 *n* | 1,2938 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1840.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,0886 | 0,8922 *n* | 0,5087 *n* | 1,2999 | — ∞ | + 0,02 |
| 11 | 9,2064 | 0,8964 *n* | 0,8065 *n* | 1,2791 | 8,4362 | + 0,02 |
| 21 | 9,2943 | 0,9034 *n* | 0,9722 *n* | 1,2427 | 8,7373 | + 0,02 |
| 31 | 9,3619 | 0,9122 *n* | 1,0812 *n* | 1,1879 | 8,9134 | + 0,02 |
| Febr. 10 | 9,4150 | 0,9213 *n* | 1,1568 *n* | 1,1095 | 9,0383 | + 0,02 |
| 20 | 9,4575 | 0,9295 *n* | 1,2093 *n* | 0,9972 | 9,1352 | + 0,02 |
| Mart. 1 | 9,4924 | 0,9356 *n* | 1,2438 *n* | 0,8269 | 9,2144 | + 0,02 |
| 11 | 9,5221 | 0,9388 *n* | 1,2632 *n* | 0,5189 | 9,2813 | + 0,02 |
| 21 | 9,5488 | 0,9387 *n* | 1,2690 *n* | 9,2751 *n* | 9,3393 | + 0,02 |
| 31 | 9,5739 | 0,9351 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,02 |
| Apr. 10 | 9,5990 | 0,9282 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,02 |
| 20 | 9,6247 | 0,9186 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,02 |
| 30 | 9,6516 | 0,9070 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,02 |
| Maj. 10 | 9,6796 | 0,8944 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,02 |
| 20 | 9,7083 | 0,8820 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,02 |
| 30 | 9,7374 | 0,8710 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,02 |
| Jun. 9 | 9,7661 | 0,8625 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | + 0,02 |
| 19 | 9,7938 | 0,8573 *n* | 9,9026 *n* | 1,3061 *n* | 9,6667 | + 0,02 |
| 29 | 9,8200 | 0,8558 *n* | 0,3577 | 1,3032 *n* | 9,6915 | + 0,02 |
| Jul. 9 | 9,8442 | 0,8580 *n* | 0,7238 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8663 | 0,8633 *n* | 0,9119 | 1,2600 *n* | 9,7373 | + 0,03 |
| 29 | 9,8860 | 0,8709 *n* | 1,0340 | 1,2167 *n* | 9,7585 | + 0,03 |
| Aug. 8 | 9,9033 | 0,8794 *n* | 1,1196 | 1,1549 *n* | 9,7787 | + 0,03 |
| 18 | 9,9184 | 0,8878 *n* | 1,1810 | 1,0681 *n* | 9,7980 | + 0,03 |
| 28 | 9,9316 | 0,8948 *n* | 1,2240 | 0,9430 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9432 | 0,8995 *n* | 1,2519 | 0,7466 *n* | 9,8342 | + 0,03 |
| 17 | 9,9537 | 0,9011 *n* | 1,2665 | 0,3452 *n* | 9,8512 | + 0,03 |
| 27 | 9,9637 | 0,8992 *n* | 1,2683 | 0,0912 | 9,8676 | + 0,03 |
| Oct. 7 | 9,9736 | 0,8935 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| 17 | 9,9838 | 0,8843 *n* | 1,2325 | 0,9019 | 9,8986 | + 0,03 |
| 27 | 9,9948 | 0,8720 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. 6 | 0,0067 | 0,8576 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,03 |
| 16 | 0,0197 | 0,8423 *n* | 1,0469 | 1,2098 | 9,9414 | + 0,03 |
| 26 | 0,0335 | 0,8276 *n* | 0,9226 | 1,2573 | 9,9547 | + 0,03 |
| Dec. 6 | 0,0479 | 0,8152 *n* | 0,7262 | 1,2879 | 9,9677 | + 0,03 |
| 16 | 0,0626 | 0,8064 *n* | 0,3234 | 1,3037 | 9,9803 | + 0,03 |
| 26 | 0,0770 | 0,8023 *n* | 0,0732 *n* | 1,3056 | 9,9925 | + 0,03 |
| 36 | 0,0908 | 0,8030 *n* | 0,6472 *n* | 1,2938 | 0,0044 | + 0,03 |

# Tabula VIII.

## 1841.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,3389 | 0,8022 *n* | 0,5087 *n* | 1,2999 | — ∞ | + 0,03 |
| 10 | 9,4081 | 0,8057 *n* | 0,8065 *n* | 1,2791 | 8,4362 | + 0,03 |
| 20 | 9,4647 | 0,8128 *n* | 0,9722 *n* | 1,2427 | 8,7373 | + 0,03 |
| 30 | 9,5108 | 0,8220 *n* | 1,0812 *n* | 1,1879 | 8,9134 | + 0,03 |
| Febr. 9 | 9,5486 | 0,8318 *n* | 1,1568 *n* | 1,1095 | 9,0383 | + 0,04 |
| 19 | 9,5797 | 0,8408 *n* | 1,2093 *n* | 0,9972 | 9,1352 | + 0,04 |
| Mart. 1 | 9,6057 | 0,8464 *n* | 1,2438 *n* | 0,8269 | 9,2144 | + 0,03 |
| 11 | 9,6282 | 0,8489 *n* | 1,2632 *n* | 0,5189 | 9,2813 | + 0,03 |
| 21 | 9,6487 | 0,8474 *n* | 1,2690 *n* | 9,2750 *n* | 9,3393 | + 0,03 |
| 31 | 9,6683 | 0,8416 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6881 | 0,8316 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,03 |
| 20 | 9,7087 | 0,8181 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,03 |
| 30 | 9,7305 | 0,8019 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7535 | 0,7843 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,03 |
| 20 | 9,7775 | 0,7666 *n* | 0,9822 *n* | 1,2391 *n* | 9,5824 | + 0,03 |
| 30 | 9,8020 | 0,7505 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,8264 | 0,7375 *n* | 0,5865 *n* | 1,2970 *n* | 9,6404 | + 0,03 |
| 19 | 9,8503 | 0,7288 *n* | 9,9025 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| 29 | 9,8730 | 0,7251 *n* | 0,3578 | 1,3032 *n* | 9,6915 | + 0,04 |
| Jul. 9 | 9,8942 | 0,7264 *n* | 0,7238 | 1,2882 *n* | 9,7150 | + 0,04 |
| 19 | 9,9136 | 0,7319 *n* | 0,9119 | 1,2599 *n* | 9,7373 | + 0,04 |
| 29 | 9,9309 | 0,7404 *n* | 1,0340 | 1,2167 *n* | 9,7585 | + 0,04 |
| Aug. 8 | 9,9463 | 0,7503 *n* | 1,1196 | 1,1549 *n* | 9,7787 | + 0,04 |
| 18 | 9,9597 | 0,7600 *n* | 1,1810 | 1,0681 *n* | 9,7980 | + 0,04 |
| 28 | 9,9714 | 0,7679 *n* | 1,2240 | 0,9430 *n* | 9,8164 | + 0,04 |
| Sept. 7 | 9,9817 | 0,7727 *n* | 1,2519 | 0,7466 *n* | 9,8342 | + 0,04 |
| 17 | 9,9911 | 0,7734 *n* | 1,2665 | 0,3452 *n* | 9,8512 | + 0,04 |
| 27 | 9,9999 | 0,7693 *n* | 1,2683 | 0,0912 | 9,8676 | + 0,04 |
| Oct. 7 | 0,0087 | 0,7601 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0179 | 0,7460 *n* | 1,2325 | 0,9019 | 9,8986 | + 0,04 |
| 27 | 0,0278 | 0,7274 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0386 | 0,7055 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,04 |
| 16 | 0,0504 | 0,6819 *n* | 1,0470 | 1,2098 | 9,9414 | + 0,04 |
| 26 | 0,0630 | 0,6588 *n* | 0,9226 | 1,2573 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0762 | 0,6385 *n* | 0,7262 | 1,2879 | 9,9677 | + 0,04 |
| 16 | 0,0897 | 0,6233 *n* | 0,3234 | 1,3037 | 9,9803 | + 0,04 |
| 26 | 0,1030 | 0,6150 *n* | 0,0732 *n* | 1,3056 | 9,9925 | + 0,04 |
| 36 | 0,1158 | 0,6142 *n* | 0,6472 *n* | 1,2938 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1842.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,4646 | 0,6137 *n* | 0,5086 *n* | 1,2999 | — ∞ | + 0,04 |
| | 10 | 9,5165 | 0,6171 *n* | 0,8065 *n* | 1,2791 | 8,4362 | + 0,04 |
| | 20 | 9,5603 | 0,6262 *n* | 0,9722 *n* | 1,2427 | 8,7373 | + 0,05 |
| | 30 | 9,5969 | 0,6386 *n* | 1,0812 *n* | 1,1879 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,6273 | 0,6516 *n* | 1,1568 *n* | 1,1095 | 9,0383 | + 0,05 |
| | 19 | 9,6526 | 0,6629 *n* | 1,2093 *n* | 0,9972 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,6740 | 0,6704 *n* | 1,2438 *n* | 0,8269 | 9,2144 | + 0,05 |
| | 11 | 9,6927 | 0,6726 *n* | 1,2632 *n* | 0,5189 | 9,2813 | + 0,04 |
| | 21 | 9,7097 | 0,6688 *n* | 1,2690 *n* | 9,2748 *n* | 9,3393 | + 0,04 |
| | 31 | 9,7261 | 0,6583 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,7429 | 0,6415 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| | 20 | 9,7605 | 0,6186 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,04 |
| | 30 | 9,7793 | 0,5909 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,7994 | 0,5599 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| | 20 | 9,8205 | 0,5279 *n* | 0,9821 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8422 | 0,4974 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. | 9 | 9,8641 | 0,4716 *n* | 0,5864 *n* | 1,2970 *n* | 9,6404 | + 0,04 |
| | 19 | 9,8855 | 0,4532 *n* | 9,9024 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,9061 | 0,4438 *n* | 0,3578 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9253 | 0,4438 *n* | 0,7238 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9429 | 0,4521 *n* | 0,9119 | 1,2599 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9588 | 0,4661 *n* | 1,0340 | 1,2167 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9728 | 0,4825 *n* | 1,1196 | 1,1549 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9850 | 0,4984 *n* | 1,1310 | 1,0681 *n* | 9,7980 | + 0,05 |
| | 28 | 9,9957 | 0,5109 *n* | 1,2240 | 0,9429 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 0,0051 | 0,5177 *n* | 1,2519 | 0,7466 *n* | 9,8342 | + 0,05 |
| | 17 | 0,0136 | 0,5172 *n* | 1,2665 | 0,3452 *n* | 9,8512 | + 0,05 |
| | 27 | 0,0216 | 0,5081 *n* | 1,2683 | 0,0912 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0297 | 0,4894 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| | 17 | 0,0380 | 0,4607 *n* | 1,2325 | 0,9019 | 9,8986 | + 0,04 |
| | 27 | 0,0471 | 0,4222 *n* | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. | 6 | 0,0571 | 0,3745 *n* | 1,1323 | 1,1413 | 9,9276 | + 0,04 |
| | 16 | 0,0681 | 0,3198 *n* | 1,0470 | 1,2098 | 9,9414 | + 0,04 |
| | 26 | 0,0799 | 0,2617 *n* | 0,9226 | 1,2573 | 9,9547 | + 0,04 |
| Dec. | 6 | 0,0923 | 0,2060 *n* | 0,7262 | 1,2879 | 9,9677 | + 0,05 |
| | 16 | 0,1050 | 0,1604 *n* | 0,3234 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1175 | 0,1324 *n* | 0,0731 *n* | 1,3056 | 9,9925 | + 0,05 |
| | 36 | 0,1296 | 0,1262 *n* | 0,6471 *n* | 1,2938 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1843.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. *τ* | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 9,5237 | 0,1260 *n* | 0,5086 *n* | 1,2999 | — ∞ | + 0″,05 |
| | 10 | 9,5683 | 0,1331 *n* | 0,8065 *n* | 1,2791 | 8,4362 | + 0,05 |
| | 20 | 9,6063 | 0,1570 *n* | 0,9722 *n* | 1,2427 | 8,7373 | + 0,05 |
| | 30 | 9,6384 | 0,1896 *n* | 1,0812 *n* | 1,1879 | 8,9134 | + 0,05 |
| Febr. | 9 | 9,6653 | 0,2227 *n* | 1,1568 *n* | 1,1095 | 9,0383 | + 0,05 |
| | 19 | 9,6877 | 0,2499 *n* | 1,2093 *n* | 0,9972 | 9,1352 | + 0,05 |
| Mart. | 1 | 9,7067 | 0,2668 *n* | 1,2438 *n* | 0,8269 | 9,2144 | + 0,05 |
| | 11 | 9,7232 | 0,2703 *n* | 1,2632 *n* | 0,5189 | 9,2813 | + 0,05 |
| | 21 | 9,7384 | 0,2583 *n* | 1,2690 *n* | 9,2747 *n* | 9,3393 | + 0,05 |
| | 31 | 9,7530 | 0,2287 *n* | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,05 |
| Apr. | 10 | 9,7681 | 0,1792 *n* | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,05 |
| | 20 | 9,7840 | 0,1066 *n* | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,04 |
| | 30 | 9,8012 | 0,0057 *n* | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,8197 | 9,8672 *n* | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| | 20 | 9,8392 | 9,6725 *n* | 0,9821 *n* | 1,2391 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8595 | 9,3946 *n* | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,05 |
| Jun. | 9 | 9,8799 | 8,6646 *n* | 0,5864 *n* | 1,2970 *n* | 9,6404 | + 0,05 |
| | 19 | 9,9001 | 8,9252 | 9,9023 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| | 29 | 9,9194 | 9,1804 | 0,3578 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. | 9 | 9,9376 | 9,1970 | 0,7238 | 1,2882 *n* | 9,7150 | + 0,05 |
| | 19 | 9,9543 | 9,0426 | 0,9119 | 1,2599 *n* | 9,7373 | + 0,05 |
| | 29 | 9,9693 | 8,3809 | 1,0340 | 1,2167 *n* | 9,7585 | + 0,05 |
| Aug. | 8 | 9,9825 | 8,9199 *n* | 1,1196 | 1,1549 *n* | 9,7787 | + 0,05 |
| | 18 | 9,9940 | 9,2801 *n* | 1,1810 | 1,0681 *n* | 9,7980 | + 0,05 |
| | 28 | 0,0041 | 9,4436 *n* | 1,2240 | 0,9429 *n* | 9,8164 | + 0,05 |
| Sept. | 7 | 0,0128 | 9,5103 *n* | 1,2519 | 0,7466 *n* | 9,8342 | + 0,05 |
| | 17 | 0,0208 | 9,4986 *n* | 1,2665 | 0,3451 *n* | 9,8512 | + 0,05 |
| | 27 | 0,0283 | 9,3838 *n* | 1,2683 | 0,0913 | 9,8676 | + 0,05 |
| Oct. | 7 | 0,0358 | 9,0087 *n* | 1,2572 | 0,6688 | 9,8834 | + 0,05 |
| | 17 | 0,0436 | 8,9962 | 1,2325 | 0,9019 | 9,8986 | + 0,05 |
| | 27 | 0,0522 | 9,5421 | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. | 6 | 0,0617 | 9,7969 | 1,1324 | 1,1413 | 9,9276 | + 0,04 |
| | 16 | 0,0722 | 9,9591 | 1,0470 | 1,2098 | 9,9414 | + 0,04 |
| | 26 | 0,0835 | 0,0699 | 0,9226 | 1,2573 | 9,9547 | + 0,04 |
| Dec. | 6 | 0,0955 | 0,1453 | 0,7262 | 1,2879 | 9,9677 | + 0,05 |
| | 16 | 0,1077 | 0,1932 | 0,3235 | 1,3037 | 9,9803 | + 0,05 |
| | 26 | 0,1199 | 0,2183 | 0,0730 *n* | 1,3057 | 9,9925 | + 0,05 |
| | 36 | 0,1315 | 0,2238 | 0,6471 *n* | 1,2938 | 0,0044 | + 0,05 |

# Tabula VIII.

## 1844.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 9,5319 | 0,2238 | 0,5086 *n* | 1,2999 | — ∞ | + 0,05 |
| 11 | 9,5745 | 0,2185 | 0,8065 *n* | 1,2791 | 8,4362 | + 0,05 |
| 21 | 9,6109 | 0,1982 | 0,9722 *n* | 1,2427 | 8,7373 | + 0,05 |
| 31 | 9,6417 | 0,1667 | 1,0812 *n* | 1,1879 | 8,9134 | + 0,05 |
| Febr. 10 | 9,6674 | 0,1292 | 1,1568 *n* | 1,1095 | 9,0383 | + 0,05 |
| 20 | 9,6888 | 0,0933 | 1,2093 *n* | 0,9972 | 9,1352 | + 0,05 |
| Mart. 1 | 9,7068 | 0,0680 | 1,2438 *n* | 0,8269 | 9,2144 | + 0,05 |
| 11 | 9,7225 | 0,0625 | 1,2632 *n* | 0,5189 | 9,2813 | + 0,05 |
| 21 | 9,7369 | 0,0813 | 1,2690 *n* | 9,2746 *n* | 9,3393 | + 0,05 |
| 31 | 9,7508 | 0,1222 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,05 |
| Apr. 10 | 9,7651 | 0,1781 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| 20 | 9,7805 | 0,2402 | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,04 |
| 30 | 9,7971 | 0,3017 | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,04 |
| Maj. 10 | 9,8150 | 0,3576 | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| 20 | 9,8341 | 0,4053 | 0,9821 *n* | 1,2392 *n* | 9,5824 | + 0,04 |
| 30 | 9,8539 | 0,4435 | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. 9 | 9,8740 | 0,4718 | 0,5864 *n* | 1,2970 *n* | 9,6404 | + 0,04 |
| 19 | 9,8939 | 0,4902 | 9,9022 *n* | 1,3061 *n* | 9,6667 | + 0,05 |
| 29 | 9,9130 | 0,4992 | 0,3579 | 1,3032 *n* | 9,6915 | + 0,05 |
| Jul. 9 | 9,9309 | 0,4996 | 0,7238 | 1,2882 *n* | 9,7150 | + 0,05 |
| 19 | 9,9473 | 0,4927 | 0,9120 | 1,2599 *n* | 9,7373 | + 0,05 |
| 29 | 9,9621 | 0,4800 | 1,0340 | 1,2167 *n* | 9,7585 | + 0,05 |
| Aug. 8 | 9,9750 | 0,4637 | 1,1197 | 1,1549 *n* | 9,7787 | + 0,05 |
| 18 | 9,9863 | 0,4468 | 1,1810 | 1,0681 *n* | 9,7980 | + 0,05 |
| 28 | 9,9960 | 0,4325 | 1,2240 | 0,9429 *n* | 9,8164 | + 0,05 |
| Sept. 7 | 0,0046 | 0,4242 | 1,2519 | 0,7466 *n* | 9,8342 | + 0,05 |
| 17 | 0,0122 | 0,4249 | 1,2665 | 0,3451 *n* | 9,8512 | + 0,05 |
| 27 | 0,0194 | 0,4359 | 1,2683 | 0,0913 | 9,8676 | + 0,04 |
| Oct. 7 | 0,0266 | 0,4569 | 1,2572 | 0,6688 | 9,8834 | + 0,04 |
| 17 | 0,0343 | 0,4856 | 1,2325 | 0,9019 | 9,8986 | + 0,04 |
| 27 | 0,0426 | 0,5189 | 1,1920 | 1,0442 | 9,9134 | + 0,04 |
| Nov. 6 | 0,0520 | 0,5533 | 1,1324 | 1,1413 | 9,9276 | + 0,04 |
| 16 | 0,0623 | 0,5857 | 1,0470 | 1,2098 | 9,9414 | + 0,04 |
| 26 | 0,0735 | 0,6139 | 0,9226 | 1,2573 | 9,9547 | + 0,04 |
| Dec. 6 | 0,0853 | 0,6362 | 0,7262 | 1,2879 | 9,9677 | + 0,04 |
| 16 | 0,0975 | 0,6515 | 0,3235 | 1,3037 | 9,9803 | + 0,04 |
| 26 | 0,1096 | 0,6597 | 0,0730 *n* | 1,3057 | 9,9925 | + 0,04 |
| 36 | 0,1212 | 0,6610 | 0,6471 *n* | 1,2938 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1845.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,4399 | 0,6613 | 0,5086 *n* | 1,2999 | — ∞ | + 0,04 |
| | 10 | 9,5353 | 0,6587 | 0,8065 *n* | 1,2791 | 8,4362 | + 0,04 |
| | 20 | 9,5739 | 0,6507 | 0,9721 *n* | 1,2427 | 8,7373 | + 0,04 |
| | 30 | 9,6062 | 0,6390 | 1,0812 *n* | 1,1879 | 8,9134 | + 0,04 |
| Febr. | 9 | 9,6330 | 0,6259 | 1,1568 *n* | 1,1095 | 9,0383 | + 0,04 |
| | 19 | 9,6552 | 0,6138 | 1,2093 *n* | 0,9972 | 9,1352 | + 0,04 |
| Mart. | 1 | 9,6737 | 0,6054 | 1,2438 *n* | 0,8270 | 9,2144 | + 0,04 |
| | 11 | 9,6897 | 0,6028 | 1,2632 *n* | 0,5189 | 9,2813 | + 0,04 |
| | 21 | 9,7043 | 0,6073 | 1,2690 *n* | 9,2745 *n* | 9,3393 | + 0,04 |
| | 31 | 9,7185 | 0,6189 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,04 |
| Apr. | 10 | 9,7331 | 0,6365 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,04 |
| | 20 | 9,7488 | 0,6582 | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,04 |
| | 30 | 9,7659 | 0,6818 | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,04 |
| Maj. | 10 | 9,7845 | 0,7051 | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,04 |
| | 20 | 9,8043 | 0,7263 | 0,9821 *n* | 1,2392 *n* | 9,5824 | + 0,04 |
| | 30 | 9,8249 | 0,7441 | 0,8337 *n* | 1,2751 *n* | 9,6123 | + 0,04 |
| Jun. | 9 | 9,8457 | 0,7576 | 0,5864 *n* | 1,2970 *n* | 9,6404 | + 0,04 |
| | 19 | 9,8663 | 0,7663 | 9,9021 *n* | 1,3061 *n* | 9,6667 | + 0,04 |
| | 29 | 9,8861 | 0,7702 | 0,3579 | 1,3032 *n* | 9,6915 | + 0,04 |
| Jul. | 9 | 9,9046 | 0,7696 | 0,7238 | 1,2882 *n* | 9,7150 | + 0,04 |
| | 19 | 9,9215 | 0,7649 | 0,9120 | 1,2599 *n* | 9,7373 | + 0,04 |
| | 29 | 9,9367 | 0,7573 | 1,0340 | 1,2167 *n* | 9,7585 | + 0,04 |
| Aug. | 8 | 9,9499 | 0,7478 | 1,1197 | 1,1549 *n* | 9,7787 | + 0,04 |
| | 18 | 9,9614 | 0,7380 | 1,1810 | 1,0681 *n* | 9,7980 | + 0,04 |
| | 28 | 9,9713 | 0,7297 | 1,2240 | 0,9429 *n* | 9,8164 | + 0,04 |
| Sept. | 7 | 9,9799 | 0,7244 | 1,2519 | 0,7466 *n* | 9,8342 | + 0,04 |
| | 17 | 9,9876 | 0,7236 | 1,2665 | 0,3451 *n* | 9,8512 | + 0,04 |
| | 27 | 9,9948 | 0,7281 | 1,2683 | 0,0913 | 9,8676 | + 0,04 |
| Oct. | 7 | 0,0020 | 0,7379 | 1,2572 | 0,6688 | 9,8834 | + 0,03 |
| | 17 | 0,0097 | 0,7519 | 1,2325 | 0,9019 | 9,8986 | + 0,03 |
| | 27 | 0,0182 | 0,7692 | 1,1920 | 1,0442 | 9,9134 | + 0,03 |
| Nov. | 6 | 0,0277 | 0,7878 | 1,1324 | 1,1413 | 9,9276 | + 0,03 |
| | 16 | 0,0382 | 0,8060 | 1,0470 | 1,2098 | 9,9414 | + 0,03 |
| | 26 | 0,0497 | 0,8222 | 0,9226 | 1,2573 | 9,9547 | + 0,03 |
| Dec. | 6 | 0,0619 | 0,8351 | 0,7262 | 1,2879 | 9,9677 | + 0,03 |
| | 16 | 0,0744 | 0,8439 | 0,3235 | 1,3037 | 9,9803 | + 0,03 |
| | 26 | 0,0868 | 0,8482 | 0,0729 *n* | 1,3057 | 9,9925 | + 0,03 |
| | 36 | 0,0988 | 0,8480 | 0,6471 *n* | 1,2938 | 0,0044 | + 0,04 |

# Tabula VIII.

## 1846.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 0 | 9,3850 | 0,8436 | 0,5085 *n* | 1,2999 | — ∞ | + 0,04 |
| 10 | 9,4406 | 0,8458 | 0,8065 *n* | 1,2791 | 8,4362 | + 0,04 |
| 20 | 9,4869 | 0,8396 | 0,9721 *n* | 1,2427 | 8,7373 | + 0,04 |
| 30 | 9,5250 | 0,8310 | 1,0812 *n* | 1,1879 | 8,9134 | + 0,04 |
| Febr. 9 | 9,5560 | 0,8215 | 1,1568 *n* | 1,1095 | 9,0383 | + 0,04 |
| 19 | 9,5814 | 0,8127 | 1,2093 *n* | 0,9972 | 9,1352 | + 0,03 |
| Mart. 1 | 9,6024 | 0,8062 | 1,2438 *n* | 0,8270 | 9,2144 | + 0,03 |
| 11 | 9,6203 | 0,8034 | 1,2632 *n* | 0,5189 | 9,2813 | + 0,03 |
| 21 | 9,6366 | 0,8050 | 1,2690 *n* | 9,2743 *n* | 9,3393 | + 0,03 |
| 31 | 9,6523 | 0,8111 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,03 |
| Apr. 10 | 9,6685 | 0,8213 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,03 |
| 20 | 9,6860 | 0,8344 | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,03 |
| 30 | 9,7050 | 0,8491 | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,03 |
| Maj. 10 | 9,7256 | 0,8640 | 1,0834 *n* | 1,1862 *n* | 9,5502 | + 0,03 |
| 20 | 9,7476 | 0,8777 | 0,9821 *n* | 1,2392 *n* | 9,5824 | + 0,02 |
| 30 | 9,7704 | 0,8892 | 0,8336 *n* | 1,2751 *n* | 9,6123 | + 0,03 |
| Jun. 9 | 9,7934 | 0,8979 | 0,5864 *n* | 1,2970 *n* | 9,6404 | + 0,03 |
| 19 | 9,8161 | 0,9031 | 9,9020 *n* | 1,3061 *n* | 9,6667 | + 0,03 |
| 29 | 9,8377 | 0,9049 | 0,3579 | 1,3032 *n* | 9,6915 | + 0,03 |
| Jul. 9 | 9,8579 | 0,9033 | 0,7239 | 1,2882 *n* | 9,7150 | + 0,03 |
| 19 | 9,8763 | 0,8988 | 0,9120 | 1,2599 *n* | 9,7373 | + 0,03 |
| 29 | 9,8926 | 0,8920 | 1,0340 | 1,2167 *n* | 9,7585 | + 0,03 |
| Aug. 8 | 9,9069 | 0,8839 | 1,1197 | 1,1549 *n* | 9,7787 | + 0,03 |
| 18 | 9,9192 | 0,8756 | 1,1810 | 1,0680 *n* | 9,7980 | + 0,03 |
| 28 | 9,9297 | 0,8683 | 1,2240 | 0,9429 *n* | 9,8164 | + 0,03 |
| Sept. 7 | 9,9388 | 0,8632 | 1,2519 | 0,7465 *n* | 9,8342 | + 0,03 |
| 17 | 9,9469 | 0,8614 | 1,2665 | 0,3451 *n* | 9,8512 | + 0,02 |
| 27 | 9,9545 | 0,8633 | 1,2683 | 0,0913 | 9,8676 | + 0,02 |
| Oct. 7 | 9,9621 | 0,8691 | 1,2572 | 0,6683 | 9,8834 | + 0,02 |
| 17 | 9,9702 | 0,8784 | 1,2325 | 0,9019 | 9,8986 | + 0,02 |
| 27 | 9,9791 | 0,8901 | 1,1920 | 1,0441 | 9,9134 | + 0,02 |
| Nov. 6 | 9,9892 | 0,9030 | 1,1324 | 1,1413 | 9,9276 | + 0,02 |
| 16 | 0,0004 | 0,9159 | 1,0470 | 1,2098 | 9,9414 | + 0,02 |
| 26 | 0,0127 | 0,9273 | 0,9226 | 1,2573 | 9,9547 | + 0,02 |
| Dec. 6 | 0,0257 | 0,9363 | 0,7263 | 1,2879 | 9,9677 | + 0,02 |
| 16 | 0,0390 | 0,9421 | 0,3236 | 1,3037 | 9,9803 | + 0,02 |
| 26 | 0,0522 | 0,9445 | 0,0728 *n* | 1,3057 | 9,9925 | + 0,02 |
| 36 | 0,0649 | 0,9432 | 0,6471 *n* | 1,2938 | 0,0044 | + 0,02 |

# Tabula VIII.

## 1847.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. $\tau$ | *E* |
|---|---|---|---|---|---|---|---|
| | | | | | | | ″ |
| Jan. | 0 | 9,1723 | 0,9440 | 0,5085 *n* | 1,2999 | — ∞ | + 0,02 |
| | 10 | 9,2583 | 0,9407 | 0,8064 *n* | 1,2791 | 8,4362 | + 0,02 |
| | 20 | 9,3256 | 0,9345 | 0,9721 *n* | 1,2427 | 8,7373 | + 0,02 |
| | 30 | 9,3787 | 0,9264 | 1,0812 *n* | 1,1879 | 8,9134 | + 0,02 |
| Febr. | 9 | 9,4206 | 0,9175 | 1,1568 *n* | 1,1096 | 9,0383 | + 0,02 |
| | 19 | 9,4540 | 0,9091 | 1,2093 *n* | 0,9973 | 9,1352 | + 0,02 |
| Mart. | 1 | 9,4811 | 0,9026 | 1,2438 *n* | 0,8270 | 9,2144 | + 0,02 |
| | 11 | 9,5039 | 0,8990 | 1,2632 *n* | 0,5189 | 9,2813 | + 0,02 |
| | 21 | 9,5243 | 0,8990 | 1,2690 *n* | 9,2742 *n* | 9,3393 | + 0,02 |
| | 31 | 9,5439 | 0,9026 | 1,2619 *n* | 0,5628 *n* | 9,3905 | + 0,01 |
| Apr. | 10 | 9,5640 | 0,9095 | 1,2415 *n* | 0,8447 *n* | 9,4362 | + 0,01 |
| | 20 | 9,5854 | 0,9190 | 1,2068 *n* | 1,0048 *n* | 9,4776 | + 0,01 |
| | 30 | 9,6087 | 0,9298 | 1,1556 *n* | 1,1114 *n* | 9,5154 | + 0,01 |
| Maj. | 10 | 9,6338 | 0,9409 | 1,0834 *n* | 1,1863 *n* | 9,5502 | + 0,01 |
| | 20 | 9,6603 | 0,9512 | 0,9821 *n* | 1,2392 *n* | 9,5824 | + 0,01 |
| | 30 | 9,6876 | 0,9597 | 0,8336 *n* | 1,2751 *n* | 9,6123 | + 0,01 |
| Jun. | 9 | 9,7149 | 0,9659 | 0,5863 *n* | 1,2970 *n* | 9,6404 | + 0,01 |
| | 19 | 9,7415 | 0,9692 | 9,9019 *n* | 1,3061 *n* | 9,6667 | + 0,01 |
| | 29 | 9,7668 | 0,9695 | 0,3580 | 1,3032 *n* | 9,6915 | + 0,01 |
| Jul. | 9 | 9,7901 | 0,9669 | 0,7239 | 1,2882 *n* | 9,7150 | + 0,01 |
| | 19 | 9,8112 | 0,9618 | 0,9120 | 1,2599 *n* | 9,7373 | + 0,01 |
| | 29 | 9,8299 | 0,9547 | 1,0340 | 1,2167 *n* | 9,7585 | + 0,01 |
| Aug. | 8 | 9,8461 | 0,9463 | 1,1197 | 1,1549 *n* | 9,7787 | + 0,01 |
| | 18 | 9,8599 | 0,9378 | 1,1810 | 1,0680 *n* | 9,7980 | + 0,01 |
| | 28 | 9,8717 | 0,9301 | 1,2240 | 0,9429 *n* | 9,8164 | + 0,01 |
| Sept. | 7 | 9,8818 | 0,9244 | 1,2519 | 0,7465 *n* | 9,8342 | + 0,01 |
| | 17 | 9,8908 | 0,9213 | 1,2665 | 0,3451 *n* | 9,8512 | + 0,01 |
| | 27 | 9,8992 | 0,9216 | 1,2683 | 0,0913 | 9,8676 | + 0,01 |
| Oct. | 7 | 9,9077 | 0,9253 | 1,2572 | 0,6688 | 9,8834 | + 0,01 |
| | 17 | 9,9166 | 0,9321 | 1,2325 | 0,9019 | 9,8986 | + 0,01 |
| | 27 | 9,9266 | 0,9411 | 1,1920 | 1,0441 | 9,9134 | 0,00 |
| Nov. | 6 | 9,9378 | 0,9513 | 1,1324 | 1,1413 | 9,9276 | 0,00 |
| | 16 | 9,9453 | 0,9615 | 1,0470 | 1,2098 | 9,9414 | 0,00 |
| | 26 | 9,9638 | 0,9705 | 0,9226 | 1,2573 | 9,9547 | 0,00 |
| Dec. | 6 | 9,9781 | 0,9774 | 0,7263 | 1,2879 | 9,9677 | 0,00 |
| | 16 | 9,9929 | 0,9815 | 0,3236 | 1,3037 | 9,9803 | 0,00 |
| | 26 | 0,0074 | 0,9823 | 0,0728 *n* | 1,3057 | 9,9925 | + 0,01 |
| | 36 | 0,0213 | 0,9799 | 0,6471 *n* | 1,2938 | 0,0044 | + 0,01 |

# Tabula VIII.

## 1848.

| | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|
| | | | | | | ″ |
| Jan. 1 | 8,5797 | 0,9812 | 0,5085 *n* | 1,2999 | — ∞ | + 0,01 |
| 11 | 8,8467 | 0,9768 | 0,8064 *n* | 1,2791 | 8,4362 | + 0,01 |
| 21 | 9,0016 | 0,9698 | 0,9721 *n* | 1,2427 | 8,7373 | + 0,01 |
| 31 | 9,1060 | 0,9610 | 1,0811 *n* | 1,1879 | 8,9134 | + 0,01 |
| Febr. 10 | 9,1808 | 0,9514 | 1,1568 *n* | 1,1096 | 9,0383 | + 0,01 |
| 20 | 9,2611 | 0,9424 | 1,2093 *n* | 0,9973 | 9,1352 | + 0,01 |
| Mart. 1 | 9,2799 | 0,9349 | 1,2438 *n* | 0,8270 | 9,2144 | 0,00 |
| 11 | 9,3153 | 0,9301 | 1,2632 *n* | 0,5189 | 9,2813 | 0,00 |
| 21 | 9,3459 | 0,9286 | 1,2690 *n* | 9,2741 *n* | 9,3393 | 0,00 |
| 31 | 9,3747 | 0,9306 | 1,2619 *n* | 0,5628 *n* | 9,3905 | 0,00 |
| Apr. 10 | 9,4037 | 0,9357 | 1,2415 *n* | 0,8447 *n* | 9,4362 | 0,00 |
| 20 | 9,4342 | 0,9431 | 1,2068 *n* | 1,0048 *n* | 9,4776 | 0,00 |
| 30 | 9,4666 | 0,9520 | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,01 |
| Maj. 10 | 9,5008 | 0,9612 | 1,0834 *n* | 1,1863 *n* | 9,5502 | — 0,01 |
| 20 | 9,5362 | 0,9697 | 0,9821 *n* | 1,2392 *n* | 9,5824 | — 0,01 |
| 30 | 9,5720 | 0,9766 | 0,8336 *n* | 1,2751 *n* | 9,6123 | — 0,01 |
| Jun. 9 | 9,6072 | 0,9812 | 0,5863 *n* | 1,2970 *n* | 9,6404 | 0,00 |
| 19 | 9,6409 | 0,9831 | 9,9019 *n* | 1,3061 *n* | 9,6667 | 0,00 |
| 29 | 9,6724 | 0,9821 | 0,3580 | 1,3032 *n* | 9,6915 | 0,00 |
| Jul. 9 | 9,7012 | 0,9783 | 0,7239 | 1,2882 *n* | 9,7150 | 0,00 |
| 19 | 9,7268 | 0,9719 | 0,9120 | 1,2599 *n* | 9,7373 | 0,00 |
| 29 | 9,7493 | 0,9636 | 1,0341 | 1,2167 *n* | 9,7585 | 0,00 |
| Aug. 8 | 9,7687 | 0,9541 | 1,1197 | 1,1549 *n* | 9,7787 | 0,00 |
| 18 | 9,7852 | 0,9443 | 1,1810 | 1,0680 *n* | 9,7980 | 0,00 |
| 28 | 9,7991 | 0,9353 | 1,2240 | 0,9429 *n* | 9,8164 | 0,00 |
| Sept. 7 | 9,8110 | 0,9281 | 1,2519 | 0,7465 *n* | 9,8342 | — 0,01 |
| 17 | 9,8216 | 0,9236 | 1,2665 | 0,3451 *n* | 9,8512 | — 0,01 |
| 27 | 9,8314 | 0,9224 | 1,2683 | 0,0913 | 9,8676 | — 0,01 |
| Oct. 7 | 9,8413 | 0,9246 | 1,2572 | 0,6688 | 9,8834 | — 0,01 |
| 17 | 9,8517 | 0,9299 | 1,2325 | 0,9019 | 9,8986 | — 0,01 |
| 27 | 9,8632 | 0,9375 | 1,1920 | 1,0441 | 9,9134 | — 0,01 |
| Nov. 6 | 9,8762 | 0,9464 | 1,1324 | 1,1413 | 9,9276 | — 0,01 |
| 16 | 9,8905 | 0,9553 | 1,0470 | 1,2098 | 9,9414 | — 0,01 |
| 26 | 9,9061 | 0,9631 | 0,9226 | 1,2573 | 9,9547 | — 0,01 |
| Dec. 6 | 9,9225 | 0,9688 | 0,7263 | 1,2879 | 9,9677 | — 0,01 |
| 16 | 9,9392 | 0,9716 | 0,3236 | 1,3037 | 9,9803 | — 0,01 |
| 26 | 9,9557 | 0,9711 | 0,0727 *n* | 1,3057 | 9,9925 | — 0,01 |
| 36 | 9,9713 | 0,9673 | 0,6470 *n* | 1,2938 | 0,0044 | — 0,01 |

# Tabula VIII.

## 1849.

| | | Log. *A* | Log. *B* | Log. *C* | Log. *D* | Log. τ | *E* |
|---|---|---|---|---|---|---|---|
| Jan. | 0 | 8,8820 *n* | 0,9691 | 0,5085 *n* | 1,2999 | — ∞ | —″0,01 |
| | 10 | 8,6419 *n* | 0,9633 | 0,8064 *n* | 1,2791 | 8,4362 | — 0,01 |
| | 20 | 8,1339 *n* | 0,9547 | 0,9721 *n* | 1,2427 | 8,7373 | — 0,01 |
| | 30 | 8,1393 | 0,9441 | 1,0811 *n* | 1,1879 | 8,9134 | — 0,01 |
| Febr. | 9 | 8,5786 | 0,9327 | 1,1568 *n* | 1,1096 | 9,0383 | — 0,01 |
| | 19 | 8,7698 | 0,9218 | 1,2093 *n* | 0,9973 | 9,1352 | — 0,01 |
| Mart. | 1 | 8,8637 | 0,9124 | 1,2438 *n* | 0,8270 | 9,2144 | — 0,01 |
| | 11 | 8,9700 | 0,9058 | 1,2632 *n* | 0,5190 | 9,2813 | — 0,01 |
| | 21 | 9,0357 | 0,9027 | 1,2690 *n* | 9,2740 *n* | 9,3393 | — 0,02 |
| | 31 | 9,0936 | 0,9032 | 1,2619 *n* | 0,5628 *n* | 9,3905 | — 0,02 |
| Apr. | 10 | 9,1481 | 0,9071 | 1,2415 *n* | 0,8447 *n* | 9,4362 | — 0,02 |
| | 20 | 9,2021 | 0,9136 | 1,2068 *n* | 1,0048 *n* | 9,4776 | — 0,02 |
| | 30 | 9,2565 | 0,9216 | 1,1556 *n* | 1,1114 *n* | 9,5154 | — 0,02 |
| Maj. | 10 | 9,3111 | 0,9301 | 1,0834 *n* | 1,1863 *n* | 9,5502 | — 0,02 |
| | 20 | 9,3652 | 0,9378 | 0,9821 *n* | 1,2392 *n* | 9,5824 | — 0,02 |
| | 30 | 9,4177 | 0,9438 | 0,8336 *n* | 1,2751 *n* | 9,6123 | — 0,02 |
| Jun. | 9 | 9,4674 | 0,9474 | 0,5863 *n* | 1,2970 *n* | 9,6404 | — 0,02 |
| | 19 | 9,5136 | 0,9480 | 9,9018 *n* | 1,3061 *n* | 9,6667 | — 0,02 |
| | 29 | 9,5557 | 0,9456 | 0,3580 | 1,3032 *n* | 9,6915 | — 0,02 |
| Jul. | 9 | 9,5933 | 0,9401 | 0,7239 | 1,2882 *n* | 9,7150 | — 0,02 |
| | 19 | 9,6262 | 0,9318 | 0,9120 | 1,2599 *n* | 9,7373 | — 0,02 |
| | 29 | 9,6547 | 0,9212 | 1,0341 | 1,2167 *n* | 9,7585 | — 0,02 |
| Aug. | 8 | 9,6789 | 0,9092 | 1,1197 | 1,1549 *n* | 9,7787 | — 0,02 |
| | 18 | 9,6993 | 0,8968 | 1,1810 | 1,0680 *n* | 9,7980 | — 0,02 |
| | 28 | 9,7166 | 0,8852 | 1,2240 | 0,9429 *n* | 9,8164 | — 0,02 |
| Sept. | 7 | 9,7312 | 0,8755 | 1,2519 | 0,7465 *n* | 9,8342 | — 0,02 |
| | 17 | 9,7442 | 0,8689 | 1,2665 | 0,3451 *n* | 9,8512 | — 0,02 |
| | 27 | 9,7562 | 0,8659 | 1,2683 | 0,0913 | 9,8676 | — 0,02 |
| Oct. | 7 | 9,7681 | 0,8668 | 1,2572 | 0,6688 | 9,8834 | — 0,03 |
| | 17 | 9,7807 | 0,8713 | 1,2325 | 0,9019 | 9,8986 | — 0,03 |
| | 27 | 9,7946 | 0,8784 | 1,1920 | 1,0441 | 9,9134 | — 0,03 |
| Nov. | 6 | 9,8099 | 0,8871 | 1,1324 | 1,1413 | 9,9276 | — 0,03 |
| | 16 | 9,8268 | 0,8958 | 1,0470 | 1,2098 | 9,9414 | — 0,03 |
| | 26 | 9,8451 | 0,9033 | 0,9226 | 1,2573 | 9,9547 | — 0,03 |
| Dec. | 6 | 9,8642 | 0,9084 | 0,7263 | 1,2879 | 9,9677 | — 0,03 |
| | 16 | 9,8835 | 0,9102 | 0,3237 | 1,3037 | 9,9803 | — 0,03 |
| | 26 | 9,9024 | 0,9083 | 0,0726 *n* | 1,3057 | 9,9925 | — 0,03 |
| | 36 | 9,9203 | 0,9024 | 0,6470 *n* | 1,2938 | 0,0044 | — 0,03 |

# Tabula IX.

*Valores quantitatum C & D pro singulis diebus.*

| Annus | | Januarius. | | | | Februarius. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Log. *C* | | Log. *D* | | Log. *C* | | Log. *D* | |
| *C* | *B* | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 1 | 0,5109 *n* | 0,5085 *n* | 1,2998 | 1,2999 | 1,0904 *n* | 1,0900 *n* | 1,1809 | 1,1813 |
| 1 | 2 | 0.5523 *n* | 0,5501 *n* | 1,2984 | 1,2985 | 1,0989 *n* | 1,0985 *n* | 1,1740 | 1,1744 |
| 2 | 3 | 0,5899 *n* | 0,5879 *n* | 1,2968 | 1,2969 | 1,1071 *n* | 1,1067 *n* | 1,1668 | 1,1672 |
| 3 | 4 | 0,6245 *n* | 0,6226 *n* | 1,2951 | 1,2952 | 1,1150 *n* | 1,1147 *n* | 1,1594 | 1,1598 |
| 4 | 5 | 0,6563 *n* | 0,6546 *n* | 1,2932 | 1,2933 | 1,1227 *n* | 1,1223 *n* | 1,1518 | 1,1522 |
| 5 | 6 | 0,6858 *n* | 0,6842 *n* | 1,2912 | 1,2913 | 1,1300 *n* | 1,1297 *n* | 1,1438 | 1,1442 |
| 6 | 7 | 0,7133 *n* | 0,7118 *n* | 1,2890 | 1,2892 | 1,1372 *n* | 1,1369 *n* | 1,1356 | 1,1360 |
| 7 | 8 | 0,7391 *n* | 0,7377 *n* | 1,2867 | 1,2868 | 1,1440 *n* | 1,1437 *n* | 1,1271 | 1,1275 |
| 8 | 9 | 0,7633 *n* | 0,7620 *n* | 1,2844 | 1,2845 | 1,1507 *n* | 1,1504 *n* | 1,1183 | 1,1187 |
| 9 | 10 | 0,7861 *n* | 0,7848 *n* | 1,2817 | 1,2818 | 1,1571 *n* | 1,1568 *n* | 1,1091 | 1,1096 |
| 10 | 11 | 0,8076 *n* | 0,8064 *n* | 1,2789 | 1,2791 | 1,1632 *n* | 1,1630 *n* | 1,0996 | 1,1001 |
| 11 | 12 | 0,8279 *n* | 0,8268 *n* | 1,2760 | 1,2762 | 1,1692 *n* | 1,1689 *n* | 1,0898 | 1,0903 |
| 12 | 13 | 0,8472 *n* | 0,8462 *n* | 1,2729 | 1,2731 | 1,1749 *n* | 1,1747 *n* | 1,0797 | 1,0801 |
| 13 | 14 | 0,8656 *n* | 0,8646 *n* | 1,2697 | 1,2699 | 1,1804 *n* | 1,1802 *n* | 1,0691 | 1,0696 |
| 14 | 15 | 0,8831 *n* | 0,8822 *n* | 1,2663 | 1,2665 | 1,1857 *n* | 1,1855 *n* | 1,0582 | 1,0587 |
| 15 | 16 | 0,8997 *n* | 0,8989 *n* | 1,2628 | 1,2630 | 1,1908 *n* | 1,1907 *n* | 1,0468 | 1,0473 |
| 16 | 17 | 0,9157 *n* | 0,9148 *n* | 1,2590 | 1,2592 | 1,1958 *n* | 1,1956 *n* | 1,0350 | 1,0355 |
| 17 | 18 | 0,9309 *n* | 0,9301 *n* | 1,2551 | 1,2554 | 1,2005 *n* | 1,2003 *n* | 1,0227 | 1,0233 |
| 18 | 19 | 0,9455 *n* | 0,9447 *n* | 1,2511 | 1,2513 | 1,2050 *n* | 1,2049 *n* | 1,0100 | 1,0105 |
| 19 | 20 | 0,9594 *n* | 0,9587 *n* | 1,2468 | 1,2471 | 1,2094 *n* | 1,2093 *n* | 0,9967 | 0,9973 |
| 20 | 21 | 0,9728 *n* | 0,9721 *n* | 1,2424 | 1,2427 | 1,2136 *n* | 1,2135 *n* | 0,9829 | 0,9835 |
| 21 | 22 | 0,9857 *n* | 0,9850 *n* | 1,2378 | 1,2381 | 1,2176 *n* | 1,2175 *n* | 0,9685 | 0,9691 |
| 22 | 23 | 0,9880 *n* | 0,9974 *n* | 1,2331 | 1,2333 | 1,2214 *n* | 1,2213 *n* | 0,9535 | 0,9541 |
| 23 | 24 | 1,0099 *n* | 1,0093 *n* | 1,2281 | 1,2284 | 1,2251 *n* | 1,2250 *n* | 0,9378 | 0,9384 |
| 24 | 25 | 1,0213 *n* | 1,0208 *n* | 1,2229 | 1,2232 | 1,2286 *n* | 1,2286 *n* | 0,9214 | 0,9220 |
| 25 | 26 | 1,0323 *n* | 1,0318 *n* | 1,2176 | 1,2179 | 1,2320 *n* | 1,2319 *n* | 0,9042 | 0,9048 |
| 26 | 27 | 1,0429 *n* | 1,0424 *n* | 1,2120 | 1,2123 | 1,2352 *n* | 1,2351 *n* | 0,8861 | 0,8868 |
| 27 | 28 | 1,0531 *n* | 1,0526 *n* | 1,2062 | 1,2065 | 1,2382 *n* | 1,2382 *n* | 0,8672 | 0,8679 |
| 28 | 29 | 1,0629 *n* | 1,0625 *n* | 1,2002 | 1,2005 | 1,2411 *n* | 1,2410 *n* | 0,8473 | 0,8480 |
| 29 | 30 | 1,0724 *n* | 1,0720 *n* | 1,1940 | 1,1943 | 1,2438 *n* | 1,2438 *n* | 0,8263 | 0,8270 |
| 30 | 31 | 1,0816 *n* | 1,0811 *n* | 1,1876 | 1,1879 | | | | |
| 31 | 32 | 1,0904 *n* | 1,0900 *n* | 1,1809 | 1,1813 | | | | |
| 32 | | 1,0989 *n* | 1,0985 *n* | 1,1740 | 1,1744 | | | | |

## Tabula IX. *continuata.*

*Valores quantitatum C & D pro singulis diebus.*

| | Martius. | | | | Aprilis. | | | |
|---|---|---|---|---|---|---|---|---|
| | Log. *C* | | Log. *D* | | Log. *C* | | Log. *D* | |
| | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 1,2411 *n* | 1,2410 *n* | 0,8473 | 0,8480 | 1,2618 *n* | 1,2619 *n* | 0,5630 *n* | 0,5628 *n* |
| 1 | 1,2438 *n* | 1,2438 *n* | 0,8263 | 0,8270 | 1,2604 *n* | 1,2604 *n* | 0,6017 *n* | 0,6016 *n* |
| 2 | 1,2464 *n* | 1,2464 *n* | 0,8041 | 0,8048 | 1,2588 *n* | 1,2589 *n* | 0,6371 *n* | 0,6370 *n* |
| 3 | 1,2488 *n* | 1,2488 *n* | 0,7805 | 0,7813 | 1,2571 *n* | 1,2572 *n* | 0,6697 *n* | 0,6697 *n* |
| 4 | 1,2511 *n* | 1,2511 *n* | 0,7555 | 0,7563 | 1,2553 *n* | 1,2554 *n* | 0,6999 *n* | 0,6999 *n* |
| 5 | 1,2532 *n* | 1,2533 *n* | 0,7289 | 0,7297 | 1,2534 *n* | 1,2535 *n* | 0,7280 *n* | 0,7280 *n* |
| 6 | 1,2553 *n* | 1,2553 *n* | 0,7003 | 0,7012 | 1,2512 *n* | 1,2513 *n* | 0,7543 *n* | 0,7543 *n* |
| 7 | 1,2571 *n* | 1,2571 *n* | 0,6697 | 0,6706 | 1,2490 *n* | 1,2490 *n* | 0,7789 *n* | 0,7789 *n* |
| 8 | 1,2589 *n* | 1,2588 *n* | 0,6366 | 0,6375 | 1,2466 *n* | 1,2467 *n* | 0,8021 *n* | 0,8021 *n* |
| 9 | 1,2604 *n* | 1,2604 *n* | 0,6006 | 0,6016 | 1,2441 *n* | 1,2442 *n* | 0,8239 *n* | 0,8240 *n* |
| 10 | 1,2619 *n* | 1,2619 *n* | 0,5612 | 0,5623 | 1,2415 *n* | 1,2415 *n* | 0,8446 *n* | 0,8447 *n* |
| 11 | 1,2632 *n* | 1,2632 *n* | 0,5178 | 0,5190 | 1,2387 *n* | 1,2387 *n* | 0,8642 *n* | 0,8643 *n* |
| 12 | 1,2644 *n* | 1,2644 *n* | 0,4695 | 0,4707 | 1,2357 *n* | 1,2358 *n* | 0,8829 *n* | 0,8830 *n* |
| 13 | 1,2654 *n* | 1,2654 *n* | 0,4150 | 0,4163 | 1,2327 *n* | 1,2327 *n* | 0,9006 *n* | 0,9007 *n* |
| 14 | 1,2663 *n* | 1,2663 *n* | 0,3526 | 0,3540 | 1,2294 *n* | 1,2294 *n* | 0,9175 *n* | 0,9176 *n* |
| 15 | 1,2671 *n* | 1,2671 *n* | 0,2795 | 0,2812 | 1,2260 *n* | 1,2260 *n* | 0,9336 *n* | 0,9338 *n* |
| 16 | 1,2677 *n* | 1,2678 *n* | 0,1915 | 0,1935 | 1,2225 *n* | 1,2225 *n* | 0,9491 *n* | 0,9492 *n* |
| 17 | 1,2682 *n* | 1,2683 *n* | 0,0809 | 0,0833 | 1,2188 *n* | 1,2188 *n* | 0,9638 *n* | 0,9640 *n* |
| 18 | 1,2686 *n* | 1,2687 *n* | 9,9321 | 9,9353 | 1,2150 *n* | 1,2150 *n* | 0,9780 *n* | 0,9782 *n* |
| 19 | 1,2689 *n* | 1,2689 *n* | 9,7039 | 9,7090 | 1,2110 *n* | 1,2110 *n* | 0,9916 *n* | 0,9918 *n* |
| 20 | 1,2690 *n* | 1,2691 *n* | 9,1937 | 9,2091 | 1,2068 *n* | 1,2068 *n* | 1,0046 *n* | 1,0048 *n* |
| 21 | 1,2690 *n* | 1,2690 *n* | 9,2860 *n* | 9,2739 *n* | 1,2025 *n* | 1,2025 *n* | 1,0172 *n* | 1,0174 *n* |
| 22 | 1,2689 *n* | 1,2690 *n* | 9,7343 *n* | 9,7303 *n* | 1,1980 *n* | 1,1980 *n* | 1,0292 *n* | 1,0294 *n* |
| 23 | 1,2686 *n* | 1,2686 *n* | 9,9499 *n* | 9,9477 *n* | 1,1934 *n* | 1,1933 *n* | 1,0408 *n* | 1,0410 *n* |
| 24 | 1,2682 *n* | 1,2682 *n* | 0,0932 *n* | 0,0917 *n* | 1,1885 *n* | 1,1885 *n* | 1,0520 *n* | 1,0522 *n* |
| 25 | 1,2677 *n* | 1,2677 *n* | 0,2006 *n* | 0,1995 *n* | 1,1835 *n* | 1,1835 *n* | 1,0628 *n* | 1,0630 *n* |
| 26 | 1,2670 *n* | 1,2671 *n* | 0,2865 *n* | 0,2857 *n* | 1,1783 *n* | 1,1783 *n* | 1,0732 *n* | 1,0734 *n* |
| 27 | 1,2662 *n* | 1,2663 *n* | 0,3580 *n* | 0,3574 *n* | 1,1730 *n* | 1,1729 *n* | 1,0832 *n* | 1,0834 *n* |
| 28 | 1,2653 *n* | 1,2654 *n* | 0,4193 *n* | 0,4188 *n* | 1,1674 *n* | 1,1673 *n* | 1,0929 *n* | 1,0931 *n* |
| 29 | 1,2643 *n* | 1,2644 *n* | 0,4728 *n* | 0,4724 *n* | 1,1616 *n* | 1,1615 *n* | 1,1022 *n* | 1,1024 *n* |
| 30 | 1,2631 *n* | 1,2632 *n* | 0,5203 *n* | 0,5200 *n* | 1,1557 *n* | 1,1556 *n* | 1,1112 *n* | 1,1114 *n* |
| 31 | 1,2618 *n* | 1,2619 *n* | 0,5630 *n* | 0,5628 *n* | 1,1495 *n* | 1,1494 *n* | 1,1199 *n* | 1,1201 *n* |
| 32 | 1,2604 *n* | 1,2604 *n* | 0,6017 *n* | 0,6016 *n* | | | | |

## Tabula IX. *continuata.*

*Valores quantitatum C & D pro singulis diebus.*

| | Majus. | | | | Junius. | | | |
|---|---|---|---|---|---|---|---|---|
| | Log. *C* | | Log. *D* | | Log. *C* | | Log. *D* | |
| | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 1,1557 *n* | 1,1556 *n* | 1,1112 *n* | 1,1114 *n* | 0,8157 *n* | 0,8148 *n* | 1,2778 *n* | 1,2779 *n* |
| 1 | 1,1495 *n* | 1,1494 *n* | 1,1199 *n* | 1,1201 *n* | 0,7959 *n* | 0,7950 *n* | 1,2805 *n* | 1,2806 *n* |
| 2 | 1,1431 *n* | 1,1430 *n* | 1,1283 *n* | 1,1285 *n* | 0,7751 *n* | 0,7741 *n* | 1,2830 *n* | 1,2831 *n* |
| 3 | 1,1365 *n* | 1,1364 *n* | 1,1364 *n* | 1,1366 *n* | 0,7532 *n* | 0,7521 *n* | 1,2854 *n* | 1,2855 *n* |
| 4 | 1,1297 *n* | 1,1295 *n* | 1,1442 *n* | 1,1444 *n* | 0,7299 *n* | 0,7288 *n* | 1,2876 *n* | 1,2877 *n* |
| 5 | 1,1226 *n* | 1,1225 *n* | 1,1518 *n* | 1,1520 *n* | 0,7052 *n* | 0,7040 *n* | 1,2897 *n* | 1,2898 *n* |
| 6 | 1,1153 *n* | 1,1152 *n* | 1,1591 *n* | 1,1593 *n* | 0,6789 *n* | 0,6776 *n* | 1,2917 *n* | 1,2918 *n* |
| 7 | 1,1078 *n* | 1,1076 *n* | 1,1662 *n* | 1,1664 *n* | 0,6508 *n* | 0,6493 *n* | 1,2935 *n* | 1,2936 *n* |
| 8 | 1,1000 *n* | 1,0998 *n* | 1,1731 *n* | 1,1733 *n* | 0,6206 *n* | 0,6190 *n* | 1,2953 *n* | 1,2954 *n* |
| 9 | 1,0920 *n* | 1,0918 *n* | 1,1796 *n* | 1,1798 *n* | 0,5880 *n* | 0,5863 *n* | 1,2969 *n* | 1,2970 *n* |
| 10 | 1,0836 *n* | 1,0833 *n* | 1,1861 *n* | 1,1863 *n* | 0,5527 *n* | 0,5508 *n* | 1,2984 *n* | 1,2984 *n* |
| 11 | 1,0750 *n* | 1,0748 *n* | 1,1922 *n* | 1,1924 *n* | 0,5141 *u* | 0,5120 *n* | 1,2997 *n* | 1,2998 *n* |
| 12 | 1,0661 *n* | 1,0659 *n* | 1,1982 *n* | 1,1984 *n* | 0,4716 *n* | 0,4693 *n* | 1,3009 *n* | 1,3010 *n* |
| 13 | 1,0569 *n* | 1,0566 *n* | 1,2040 *n* | 1,2042 *n* | 0,4244 *n* | 0,4217 *n* | 1,3020 *n* | 1,3021 *n* |
| 14 | 1,0474 *n* | 1,0471 *n* | 1,2095 *n* | 1,2097 *n* | 0,3713 *n* | 0,3683 *n* | 1,3030 *n* | 1,3031 *n* |
| 15 | 1,0375 *n* | 1,0372 *n* | 1,2149 *n* | 1,2151 *n* | 0,3107 *n* | 0,3071 *n* | 1,3039 *n* | 1,3039 *n* |
| 16 | 1,0273 *n* | 1,0269 *n* | 1,2201 *n* | 1,2202 *n* | 0,2400 *n* | 0,2358 *n* | 1,3046 *n* | 1,3047 *n* |
| 17 | 1,0167 *n* | 1,0163 *n* | 1,2251 *n* | 1,2252 *n* | 0,1555 *n* | 0,1503 *n* | 1,3052 *n* | 1,3053 *n* |
| 18 | 1,0056 *n* | 1,0052 *n* | 1,2299 *n* | 1,2301 *n* | 0,0503 *n* | 0,0436 *n* | 1,3057 *n* | 1,3058 *n* |
| 19 | 0,9944 *n* | 0,9939 *n* | 1,2345 *n* | 1,2347 *n* | 9,9110 *n* | 9,9017 *n* | 1,3061 *n* | 1,3061 *n* |
| 20 | 0,9826 *n* | 0,9821 *n* | 1,2390 *n* | 1,2392 *n* | 9,7046 *n* | 9,6893 *n* | 1,3064 *n* | 1,3064 *n* |
| 21 | 0,9703 *n* | 0,9698 *n* | 1,2433 *n* | 1,2435 *n* | 9,2971 *n* | 9,2567 *n* | 1,3065 *n* | 1,3065 *n* |
| 22 | 0,9576 *n* | 0,9571 *n* | 1,2474 *n* | 1,2476 *n* | 9,0420 | 9,1067 | 1,3065 *n* | 1,3065 *n* |
| 23 | 0,9443 *n* | 0,9438 *n* | 1,2514 *n* | 1,2516 *n* | 9,6217 | 9,6398 | 1,3064 *n* | 1,3064 *n* |
| 24 | 0,9305 *n* | 0,9300 *n* | 1,2552 *n* | 1,2554 *n* | 9,8613 | 9,8719 | 1,3062 *n* | 1,3062 *n* |
| 25 | 0,9162 *n* | 0,9156 *n* | 1,2589 *n* | 1,2591 *n* | 0,0148 | 0,0222 | 1,3059 *n* | 1,3058 *n* |
| 26 | 0,9013 *n* | 0,9007 *n* | 1,2624 *n* | 1,2626 *n* | 0,1278 | 0,1336 | 1,3054 *n* | 1,3054 *n* |
| 27 | 0,8857 *n* | 0,8850 *n* | 1,2658 *n* | 1,2659 *n* | 0,2174 | 0,2221 | 1,3048 *n* | 1,3048 *n* |
| 28 | 0,8694 *n* | 0,8687 *n* | 1,2690 *n* | 1,2691 *n* | 0,2914 | 0,2955 | 1,3041 *n* | 1,3041 *n* |
| 29 | 0,8523 *n* | 0,8515 *n* | 1,2721 *n* | 1,2722 *n* | 0,3546 | 0,3581 | 1,3033 *n* | 1,3032 *n* |
| 30 | 0,8344 *n* | 0,8336 *n* | 1,2750 *n* | 1,2751 *n* | 0,4096 | 0,4127 | 1,3023 *n* | 1,3023 *n* |
| 31 | 0,8157 *n* | 0,8148 *n* | 1,2778 *n* | 1,2779 *n* | 0,4583 | 0,4611 | 1,3013 *n* | 1,3012 *n* |
| 32 | 0,7959 *n* | 0,7950 *n* | 1,2805 *n* | 1,2806 *n* | | | | |

## Tabula IX. *continuata.*

*Valores quantitatum C & D pro singulis diebus.*

| | Julius. | | | | Augustus. | | | |
|---|---|---|---|---|---|---|---|---|
| | Log. *C* | | Log *D* | | Log. *C* | | Log. *D* | |
| | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 0,4096 | 0,4127 | 1,3023 *n* | 1,3023 *n* | 1,0530 | 1,0536 | 1,2063 *n* | 1,2060 *n* |
| 1 | 0,4583 | 0,4611 | 1,3013 *n* | 1,3012 *n* | 1,0623 | 1,0628 | 1,2006 *n* | 1,2003 *n* |
| 2 | 0,5020 | 0,5045 | 1,3001 *n* | 1,3000 *n* | 1,0713 | 1,0718 | 1,1948 *n* | 1,1945 *n* |
| 3 | 0,5416 | 0,5439 | 1,2988 *n* | 1,2987 *n* | 1,0800 | 1,0805 | 1,1888 *n* | 1,1884 *n* |
| 4 | 0,5778 | 0,5799 | 1,2973 *n* | 1,2972 *n* | 1,0884 | 1,0888 | 1,1825 *n* | 1,1822 *n* |
| 5 | 0,6111 | 0,6130 | 1,2958 *n* | 1,2957 *n* | 1,0965 | 1,0969 | 1,1760 *n* | 1,1757 *n* |
| 6 | 0,6419 | 0,6437 | 1,2941 *n* | 1,2940 *n* | 1,1043 | 1,1048 | 1,1693 *n* | 1,1690 *n* |
| 7 | 0,6705 | 0,6722 | 1,2923 *n* | 1,2922 *n* | 1,1119 | 1,1124 | 1,1624 *n* | 1,1621 *n* |
| 8 | 0,6973 | 0,6989 | 1,2903 *n* | 1,2902 *n* | 1,1193 | 1,1197 | 1,1553 *n* | 1,1549 *n* |
| 9 | 0,7224 | 0,7239 | 1,2883 *n* | 1,2881 *n* | 1,1264 | 1,1268 | 1,1479 *n* | 1,1475 *n* |
| 10 | 0,7460 | 0,7474 | 1,2861 *n* | 1,2859 *n* | 1,1333 | 1,1336 | 1,1402 *n* | 1,1398 *n* |
| 11 | 0,7683 | 0,7696 | 1,2837 *n* | 1,2836 *n* | 1,1399 | 1,1403 | 1,1323 *n* | 1,1319 *n* |
| 12 | 0,7894 | 0,7906 | 1,2813 *n* | 1,2811 *n* | 1,1463 | 1,1467 | 1,1241 *n* | 1,1237 *n* |
| 13 | 0,8094 | 0,8106 | 1,2787 *n* | 1,2785 *n* | 1,1526 | 1,1529 | 1,1156 *n* | 1,1152 *n* |
| 14 | 0,8284 | 0,8295 | 1,2759 *n* | 1,2758 *n* | 1,1586 | 1,1589 | 1,1068 *n* | 1,1064 *n* |
| 15 | 0,8465 | 0,8476 | 1,2731 *n* | 1,2729 *n* | 1,1644 | 1,1647 | 1,0977 *n* | 1,0973 *n* |
| 16 | 0,8637 | 0,8648 | 1,2700 *n* | 1,2699 *n* | 1,1700 | 1,1703 | 1,0883 *n* | 1,0879 *n* |
| 17 | 0,8802 | 0,8812 | 1,2669 *n* | 1,2667 *n* | 1,1755 | 1,1757 | 1,0786 *n* | 1,0781 *n* |
| 18 | 0,8960 | 0,8969 | 1,2636 *n* | 1,2634 *n* | 1,1807 | 1,1810 | 1,0685 *n* | 1,0680 *n* |
| 19 | 0,9111 | 0,9120 | 1,2601 *n* | 1,2599 *n* | 1,1858 | 1,1860 | 1,0580 *n* | 1,0576 *n* |
| 20 | 0,9256 | 0,9265 | 1,2565 *n* | 1,2563 *n* | 1,1907 | 1,1909 | 1,0472 *n* | 1,0467 *n* |
| 21 | 0,9395 | 0,9403 | 1,2528 *n* | 1,2526 *n* | 1,1954 | 1,1956 | 1,0359 *n* | 1,0354 *n* |
| 22 | 0,9528 | 0,9536 | 1,2489 *n* | 1,2487 *n* | 1,1999 | 1,2002 | 1,0242 *n* | 1,0237 *n* |
| 23 | 0,9657 | 0,9665 | 1,2448 *n* | 1,2446 *n* | 1,2043 | 1,2046 | 1,0121 *n* | 1,0116 *n* |
| 24 | 0,9780 | 0,9788 | 1,2406 *n* | 1,2404 *n* | 1,2085 | 1,2088 | 0,9994 *n* | 0,9989 *n* |
| 25 | 0,9900 | 0,9907 | 1,2362 *n* | 1,2360 *n* | 1,2126 | 1,2128 | 0,9863 *n* | 0,9858 *n* |
| 26 | 1,0014 | 1,0021 | 1,2317 *n* | 1,2314 *n* | 1,2165 | 1,2167 | 0,9726 *n* | 0,9721 *n* |
| 27 | 1,0125 | 1,0131 | 1,2270 *n* | 1,2267 *n* | 1,2202 | 1,2204 | 0,9584 *n* | 0,9578 *n* |
| 28 | 1,0232 | 1,0238 | 1,2220 *n* | 1,2218 *n* | 1,2238 | 1,2240 | 0,9435 *n* | 0,9429 *n* |
| 29 | 1,0335 | 1,0341 | 1,2170 *n* | 1,2167 *n* | 1,2273 | 1,2274 | 0,9279 *n* | 0,9273 *n* |
| 30 | 1,0434 | 1,0440 | 1,2117 *n* | 1,2114 *n* | 1,2306 | 1,2307 | 0,9117 *n* | 0,9111 *n* |
| 31 | 1,0530 | 1,0536 | 1,2063 *n* | 1,2060 *n* | 1,2337 | 1,2339 | 0,8947 *n* | 0,8941 *n* |
| 32 | 1,0623 | 1,0628 | 1,2006 *n* | 1,2003 *n* | 1,2367 | 1,2369 | 0,8768 *n* | 0,8762 *n* |

## Tabula IX. *continuata.*

*Valores quantitatum C & D pro singulis diebus.*

| | September. | | | | October. | | | |
|---|---|---|---|---|---|---|---|---|
| | Log. *C* | | Log. *D* | | Log. *C* | | Log. *D* | |
| | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 1,2337 | 1,2339 | 0,8947 *n* | 0,8941 *n* | 1,2663 | 1,2663 | 0,3554 | 0,3560 |
| 1 | 1,2367 | 1,2369 | 0,8768 *n* | 0,8762 *n* | 1,2654 | 1,2654 | 0,4169 | 0,4173 |
| 2 | 1,2396 | 1,2397 | 0,8581 *n* | 0,8574 *n* | 1,2644 | 1,2644 | 0,4707 | 0,4710 |
| 3 | 1,2423 | 1,2425 | 0,8383 *n* | 0,8376 *n* | 1,2632 | 1,2632 | 0,5184 | 0,5187 |
| 4 | 1,2449 | 1,2450 | 0,8175 *n* | 0,8168 *n* | 1,2619 | 1,2619 | 0,5614 | 0,5615 |
| 5 | 1,2473 | 1,2475 | 0,7954 *n* | 0,7947 *n* | 1,2605 | 1,2605 | 0,6003 | 0,6004 |
| 6 | 1,2497 | 1,2498 | 0,7721 *n* | 0,7714 *n* | 1,2589 | 1,2589 | 0,6360 | 0,6360 |
| 7 | 1,2518 | 1,2519 | 0,7473 *n* | 0,7465 *n* | 1,2572 | 1,2572 | 0,6688 | 0,6688 |
| 8 | 1,2539 | 1,2540 | 0,7208 *n* | 0,7200 *n* | 1,2554 | 1,2554 | 0,6993 | 0,6993 |
| 9 | 1,2558 | 1,2559 | 0,6925 *n* | 0,6917 *n* | 1,2534 | 1,2534 | 0,7276 | 0,7276 |
| 10 | 1,2576 | 1,2577 | 0,6620 *n* | 0,6612 *n* | 1,2513 | 1,2513 | 0,7541 | 0,7540 |
| 11 | 1,2592 | 1,2593 | 0,6291 *n* | 0,6282 *n* | 1,2490 | 1,2491 | 0,7789 | 0,7789 |
| 12 | 1,2607 | 1,2608 | 0,5934 *n* | 0,5924 *n* | 1,2466 | 1,2467 | 0,8023 | 0,8022 |
| 13 | 1,2621 | 1,2622 | 0,5542 *n* | 0,5532 *n* | 1,2441 | 1,2441 | 0,8244 | 0,8243 |
| 14 | 1,2634 | 1,2635 | 0,5111 *n* | 0,5100 *n* | 1,2414 | 1,2414 | 0,8454 | 0,8452 |
| 15 | 1,2645 | 1,2646 | 0,4630 *n* | 0,4618 *n* | 1,2385 | 1,2386 | 0,8652 | 0,8651 |
| 16 | 1,2655 | 1,2656 | 0,4087 *n* | 0,4074 *n* | 1,2355 | 1,2356 | 0,8841 | 0,8839 |
| 17 | 1,2664 | 1,2665 | 0,3464 *n* | 0,3451 *n* | 1,2324 | 1,2325 | 0,9020 | 0,9019 |
| 18 | 1,2672 | 1,2672 | 0,2736 *n* | 0,2720 *n* | 1,2291 | 1,2292 | 0,9192 | 0,9190 |
| 19 | 1,2678 | 1,2678 | 0,1857 *n* | 0,1839 *n* | 1,2256 | 1,2257 | 0,9355 | 0,9353 |
| 20 | 1,2683 | 1,2683 | 0,0753 *n* | 0,0731 *n* | 1,2220 | 1,2221 | 0,9512 | 0,9510 |
| 21 | 1,2686 | 1,2687 | 9,9266 *n* | 9,9237 *n* | 1,2182 | 1,2183 | 0,9662 | 0,9660 |
| 22 | 1,2689 | 1,2689 | 9,6983 *n* | 9,6936 *n* | 1,2143 | 1,2144 | 0,9805 | 0,9803 |
| 23 | 1,2690 | 1,2691 | 9,1865 *n* | 9,1717 *n* | 1,2102 | 1,2103 | 0,9943 | 0,9941 |
| 24 | 1,2690 | 1,2690 | 9,2839 | 9,2942 | 1,2059 | 1,2060 | 1,0076 | 1,0074 |
| 25 | 1,2689 | 1,2689 | 9,7310 | 9,7346 | 1,2014 | 1,2015 | 1,0203 | 1,0201 |
| 26 | 1,2686 | 1,2687 | 9,9466 | 9,9486 | 1,1967 | 1,1968 | 1,0326 | 1,0323 |
| 27 | 1,2682 | 1,2683 | 0,0900 | 0,0914 | 1,1919 | 1,1920 | 1,0444 | 1,0441 |
| 28 | 1,2677 | 1,2677 | 0,1976 | 0,1986 | 1,1869 | 1,1870 | 1,0557 | 1,0555 |
| 29 | 1,2671 | 1,2671 | 0,2837 | 0,2844 | 1,1816 | 1,1818 | 1,0667 | 1,0664 |
| 30 | 1,2663 | 1,2663 | 0,3554 | 0,3560 | 1,1762 | 1,1764 | 1,0772 | 1,0770 |
| 31 | 1,2654 | 1,2654 | 0,4169 | 0,4173 | 1,1706 | 1,1707 | 1,0874 | 1,0872 |
| 32 | | | | | 1,1647 | 1,1649 | 1,0972 | 1,0970 |

## Tabula IX. *continuata.*

*Valores quantitatum C & D pro singulis diebus.*

| | November. | | | | December. | | | |
|---|---|---|---|---|---|---|---|---|
| | Log. *C* | | Log. *D* | | Log. *C* | | Log. *D* | |
| | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 | 1750 | 1850 |
| 0 | 1,1706 | 1,1707 | 1,0874 | 1,0872 | 0,8551 | 0,8560 | 1,2716 | 1,2714 |
| 1 | 1,1647 | 1,1649 | 1,0972 | 1,0970 | 0,8363 | 0,8372 | 1,2747 | 1,2746 |
| 2 | 1,1587 | 1,1589 | 1,1067 | 1,1065 | 0,8165 | 0,8175 | 1,2777 | 1,2775 |
| 3 | 1,1524 | 1,1526 | 1,1159 | 1,1156 | 0,7956 | 0,7966 | 1,2805 | 1,2804 |
| 4 | 1,1458 | 1,1461 | 1,1247 | 1,1245 | 0,7734 | 0,7746 | 1,2832 | 1,2830 |
| 5 | 1,1391 | 1,1394 | 1,1332 | 1,1330 | 0,7500 | 0,7512 | 1,2857 | 1,2855 |
| 6 | 1,1321 | 1,1324 | 1,1415 | 1,1413 | 0,7250 | 0,7263 | 1,2880 | 1,2879 |
| 7 | 1,1249 | 1,1251 | 1,1495 | 1,1492 | 0,6984 | 0,6998 | 1,2903 | 1,2901 |
| 8 | 1,1174 | 1,1176 | 1,1572 | 1,1569 | 0,6698 | 0,6714 | 1,2923 | 1,2922 |
| 9 | 1,1096 | 1,1099 | 1,1646 | 1,1644 | 0,6391 | 0,6408 | 1,2943 | 1,2942 |
| 10 | 1,1015 | 1,1018 | 1,1718 | 1,1715 | 0,6060 | 0,6078 | 1,2960 | 1,2959 |
| 11 | 1,0932 | 1,0935 | 1,1787 | 1,1785 | 0,5699 | 0,5719 | 1,2977 | 1,2976 |
| 12 | 1,0845 | 1,0849 | 1,1854 | 1,1852 | 0,5304 | 0,5326 | 1,2992 | 1,2991 |
| 13 | 1,0755 | 1,0759 | 1,1919 | 1,1917 | 0,4868 | 0,4892 | 1,3005 | 1,3005 |
| 14 | 1,0662 | 1,0666 | 1,1981 | 1,1979 | 0,4381 | 0,4409 | 1,3017 | 1,3017 |
| 15 | 1,0566 | 1,0570 | 1,2041 | 1,2039 | 0,3831 | 0,3863 | 1,3028 | 1,3028 |
| 16 | 1,0466 | 1,0470 | 1,2100 | 1,2098 | 0,3200 | 0,3237 | 1,3038 | 1,3037 |
| 17 | 1,0362 | 1,0366 | 1,2156 | 1,2154 | 0,2460 | 0,2504 | 1,3046 | 1,3045 |
| 18 | 1,0254 | 1,0259 | 1,2210 | 1,2208 | 0,1565 | 0,1619 | 1,3052 | 1,3052 |
| 19 | 1,0142 | 1,0147 | 1,2262 | 1,2260 | 0,0434 | 0,0505 | 1,3058 | 1,3057 |
| 20 | 1,0026 | 1,0031 | 1,2312 | 1,2310 | 9,8899 | 9,9000 | 1,3062 | 1,3061 |
| 21 | 0,9905 | 0,9910 | 1,2360 | 1,2358 | 9,6500 | 9,6675 | 1,3064 | 1,3064 |
| 22 | 0,9779 | 0,9784 | 1,2407 | 1,2405 | 9,0688 | 9,1323 | 1,3065 | 1,3065 |
| 23 | 0,9647 | 0,9653 | 1,2451 | 1,2450 | 9,3271 *n* | 9,2876 *n* | 1,3065 | 1,3065 |
| 24 | 0,9511 | 0,9517 | 1,2494 | 1,2492 | 9,7339 *n* | 9,7188 *n* | 1,3064 | 1,3064 |
| 25 | 0,9368 | 0,9375 | 1,2535 | 1,2534 | 9,9402 *n* | 0,9308 *n* | 1,3061 | 1,3061 |
| 26 | 0,9219 | 0,9227 | 1,2575 | 1,2573 | 0,0793 *n* | 0,0726 *n* | 1,3056 | 1,3057 |
| 27 | 0,9064 | 0,9071 | 1,2612 | 1,2611 | 0,1845 *n* | 0,1791 *n* | 1,3051 | 1,3051 |
| 28 | 0,8901 | 0,8909 | 1,2648 | 1,2647 | 0,2689 *n* | 0,2646 *n* | 1,3044 | 1,3044 |
| 29 | 0,8730 | 0,8739 | 1,2683 | 1,2681 | 0,3395 *n* | 0,3358 *n* | 1,3035 | 1,3036 |
| 30 | 0,8551 | 0,8560 | 1,2716 | 1,2714 | 0,4001 *n* | 0,3968 *n* | 1,3025 | 1,3026 |
| 31 | 0,8363 | 0,8372 | 1,2747 | 1,2746 | 0,4531 *n* | 0,4502 *n* | 1,3014 | 1,3015 |
| 32 | | | | | 0,5002 *n* | 0,4977 *n* | 1,3001 | 1,3002 |

# Tabulae X. Sectio prima.

*Adscensiones rectae et Declinationes mediae et apparentes*

*Stellarum* 36 *fundamentalium atque* α *Ursae minoris,*

ab Anno 1750 usque ad Annum 1770.

## Tabulae X. Sect. I. γ *Pegasi.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 0 0 24,384 | +13 47 40,46 | 1760 | Jan. 1 | 0 0 53,096 | +13 50 47,62 |
| | Apr. 10 | 24,413 | 40,56 | | Apr. 10 | 53,094 | 47,70 |
| | Jul. 19 | 24,433 | 40,60 | | Jul. 19 | 53,101 | 47,83 |
| | Oct. 27 | 24,444 | 40,58 | | Oct. 27 | 53,117 | 48,02 |
| | Dec. 66 | 24,446 | 40,51 | | Dec. 66 | 53,140 | 48,26 |
| 1751 | Jan. 0 | 0 0 27,518 | +13 48 0,58 | 1761 | Jan. 0 | 0 0 56,204 | +13 51 8,21 |
| | Apr. 10 | 27,514 | 0,46 | | Apr. 10 | 56,234 | 8,49 |
| | Jul. 19 | 27,502 | 0,30 | | Jul. 19 | 56,271 | 8,81 |
| | Oct. 27 | 27,480 | 0,07 | | Oct. 27 | 56,316 | 9,17 |
| | Dec. 66 | 27,450 | 47 59,79 | | Dec. 66 | 56,368 | 9,58 |
| 1752 | Jan. 1 | 0 0 30,533 | +13 48 19,93 | 1762 | Jan. 0 | 0 0 59,422 | +13 51 29,47 |
| | Apr. 10 | 30,498 | 19,62 | | Apr. 10 | 59,479 | 29,91 |
| | Jul. 19 | 30,454 | 19,26 | | Jul. 19 | 59,542 | 30,38 |
| | Oct. 27 | 30,402 | 18,85 | | Oct. 27 | 59,611 | 30,88 |
| | Dec. 66 | 30,342 | 18,40 | | Dec. 66 | 59,686 | 31,41 |
| 1753 | Jan. 0 | 0 0 33,435 | +13 48 38,59 | 1763 | Jan. 0 | 0 1 2,733 | +13 51 51,26 |
| | Apr. 10 | 33,371 | 38,11 | | Apr. 10 | 2,811 | 51,81 |
| | Jul. 19 | 33,300 | 37,60 | | Jul. 19 | 2,892 | 52,37 |
| | Oct. 27 | 33,224 | 37,06 | | Oct. 27 | 2,977 | 52,95 |
| | Dec. 66 | 33,141 | 36,48 | | Dec. 66 | 3,066 | 53,55 |
| 1754 | Jan. 0 | 0 0 36,241 | +13 48 56,71 | 1764 | Jan. 1 | 0 1 6,109 | +13 52 13,38 |
| | Apr. 10 | 36,155 | 56,12 | | Apr. 10 | 6,200 | 13,98 |
| | Jul. 19 | 36,066 | 55,52 | | Jul. 19 | 6,292 | 14,58 |
| | Oct. 27 | 35,974 | 54,90 | | Oct. 27 | 6,385 | 15,18 |
| | Dec. 66 | 35,878 | 54,26 | | Dec. 66 | 6,479 | 15,77 |
| 1755 | Jan. 0 | 0 0 38,982 | +13 49 14,51 | 1765 | Jan. 0 | 0 1 9,521 | +13 52 35,61 |
| | Apr. 10 | 38,885 | 13,88 | | Apr. 10 | 9,614 | 36,20 |
| | Jul. 19 | 38,788 | 13,25 | | Jul. 19 | 9,705 | 36,77 |
| | Oct. 27 | 38,690 | 12,63 | | Oct. 27 | 9,795 | 37,32 |
| | Dec. 66 | 38,593 | 12,02 | | Dec. 66 | 9,884 | 37,86 |
| 1756 | Jan. 1 | 0 0 41,698 | +13 49 32,26 | 1766 | Jan. 0 | 0 1 12,927 | +13 52 57,72 |
| | Apr. 10 | 41,602 | 31,66 | | Apr. 10 | 13,014 | 58,24 |
| | Jul. 19 | 41,508 | 31,09 | | Jul. 19 | 13,097 | 58,72 |
| | Oct. 27 | 41,417 | 30,55 | | Oct. 27 | 13,175 | 59,17 |
| | Dec. 66 | 41,330 | 30,03 | | Dec. 66 | 13,249 | 59,58 |
| 1757 | Jan. 0 | 0 0 44,432 | +13 49 50,24 | 1767 | Jan. 0 | 0 1 16,298 | +13 53 19,49 |
| | Apr. 10 | 44,349 | 49,75 | | Apr. 10 | 16,369 | 19,88 |
| | Jul. 19 | 44,269 | 49,30 | | Jul. 19 | 16,433 | 20,22 |
| | Oct. 27 | 44,196 | 48,89 | | Oct. 27 | 16,491 | 20,51 |
| | Dec. 66 | 44,129 | 48,53 | | Dec. 66 | 16,542 | 20,76 |
| 1758 | Jan. 0 | 0 0 47,223 | +13 50 8,68 | 1768 | Jan. 1 | 0 1 19,599 | +13 53 40,72 |
| | Apr. 10 | 47,161 | 8,35 | | Apr. 10 | 19,645 | 40,93 |
| | Jul. 19 | 47,106 | 8,08 | | Jul. 19 | 19,683 | 41,09 |
| | Oct. 27 | 47,059 | 7,86 | | Oct. 27 | 19,713 | 41,19 |
| | Dec. 66 | 47,020 | 7,69 | | Dec. 66 | 19,736 | 41,25 |
| 1759 | Jan. 0 | 0 0 50,104 | +13 50 27,78 | 1769 | Jan. 0 | 0 1 22,802 | +13 54 1,27 |
| | Apr. 10 | 50,071 | 27,65 | | Apr. 10 | 22,818 | 1,28 |
| | Jul. 19 | 50,046 | 27,58 | | Jul. 19 | 22,826 | 1,24 |
| | Oct. 27 | 50,029 | 27,56 | | Oct. 27 | 22,825 | 1,14 |
| | Dec. 66 | 50,021 | 27,60 | | Dec. 66 | 22,815 | 0,98 |

## Tabulae X. Sect. I. γ *Pegasi.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,171 | −11,2 | + 3,65 | − 7,9 | +3 | +2 | 1750 | 0 0 23,4068 | +13 47 33,914 |
| 10 | −0,283 | −11,9 | + 2,81 | − 8,9 | +3 | +2 | 1751 | 0 26,4786 | 47 53,951 |
| 20 | −0,389 | −10,0 | + 1,87 | − 9,8 | +3 | +2 | 1752 | 0 29,5505 | 48 13,989 |
| 30 | −0,483 | − 8,7 | + 0,86 | −10,2 | +2 | +2 | 1753 | 0 32,6225 | 48 34,026 |
| Febr. 9 | −0,563 | − 6,9 | − 0,17 | −10,2 | +2 | +2 | 1754 | 0 35,6946 | 48 54,063 |
| | | | | | | | 1755 | 0 38,7667 | 49 14,100 |
| 19 | −0,621 | − 4,5 | − 1,17 | − 9,6 | +2 | +2 | 1756 | 0 41,8390 | 49 34,137 |
| Mart. 1 | −0,653 | − 1,7 | − 2,09 | − 8,5 | +1 | +2 | 1757 | 0 44,9113 | 49 54,173 |
| 11 | −0,655 | + 1,6 | − 2,87 | − 6,9 | 0 | +2 | 1758 | 0 47,9837 | 50 14,210 |
| 21 | −0,621 | + 5,5 | − 3,46 | − 4,7 | 0 | +1 | 1759 | 0 51,0562 | 50 34,246 |
| 31 | −0,546 | + 9,5 | − 3,81 | − 2,2 | −1 | +1 | 1760 | 0 54,1289 | 50 54,282 |
| | | | | | | | 1761 | 0 57,2016 | 51 14,319 |
| Apr. 10 | −0,431 | +13,6 | − 3,89 | + 0,8 | −1 | +1 | 1762 | 1 0,2745 | 51 34,355 |
| 20 | −0,275 | +17,7 | − 3,66 | + 3,9 | −2 | 0 | 1763 | 1 3,3474 | 51 54,390 |
| 30 | −0,078 | +21,5 | − 3,12 | + 7,0 | −2 | 0 | 1764 | 1 6,4206 | 52 14,426 |
| Maj. 10 | +0,155 | +24,9 | − 2,27 | +10,1 | −2 | −1 | 1765 | 1 9,4937 | 52 34,462 |
| 20 | +0,420 | +27,9 | − 1,11 | +13,1 | −2 | −1 | 1766 | 1 12,5669 | 52 54,497 |
| | | | | | | | 1767 | 1 15,6402 | 53 14,533 |
| 30 | +0,712 | +30,1 | + 0,34 | +15,7 | −2 | −1 | 1768 | 1 18,7136 | 53 34,568 |
| Jun. 9 | +1,022 | +31,5 | + 2,02 | +17,9 | −3 | −2 | 1769 | 1 21,7871 | 53 54,603 |
| 19 | +1,342 | +32,1 | + 3,91 | +19,7 | −2 | −2 | 1770 | 1 24,8607 | 54 14,638 |
| 29 | +1,664 | +31,9 | + 5,95 | +20,9 | −2 | −2 | | | |
| Jul. 9 | +1,979 | +30,8 | + 8,08 | +21,6 | −2 | −2 | | | |
| 19 | +2,280 | +29,0 | +10,26 | +21,7 | −2 | −2 | | | |
| 29 | +2,559 | +26,5 | +12,42 | +21,3 | −2 | −2 | | | |
| Aug. 8 | +2,809 | +23,4 | +14,52 | +20,5 | −1 | −2 | | | |
| 18 | +3,026 | +19,9 | +16,51 | +19,2 | −1 | −2 | | | |
| 28 | +3,206 | +16,1 | +18,35 | +17,5 | 0 | −2 | | | |
| Sept. 7 | +3,348 | +12,3 | +20,01 | +15,6 | 0 | −2 | | | |
| 17 | +3,451 | + 8,4 | +21,47 | +13,6 | +1 | −1 | | | |
| 27 | +3,516 | + 4,8 | +22,72 | +11,3 | +1 | −1 | | | |
| Oct. 7 | +3,546 | + 1,4 | +23,73 | + 9,0 | +2 | −1 | | | |
| 17 | +3,543 | − 1,7 | +24,52 | + 6,8 | +2 | 0 | | | |
| 27 | +3,513 | − 4,3 | +25,08 | + 4,6 | +3 | 0 | | | |
| Nov. 6 | +3,458 | − 6,5 | +25,43 | + 2,4 | +3 | 0 | | | |
| 16 | +3,384 | − 8,2 | +25,56 | + 0,3 | +4 | +1 | | | |
| 26 | +3,295 | − 9,5 | +25,48 | − 1,7 | +4 | +1 | | | |
| Dec. 6 | +3,194 | −10,5 | +25,22 | − 3,6 | +4 | +1 | | | |
| 16 | +3,085 | −11,1 | +24,77 | − 5,4 | +4 | +1 | | | |
| 26 | +2,972 | −11,3 | +24,15 | − 6,9 | +4 | +2 | | | |
| 36 | +2,859 | −11,4 | +23,39 | − 8,4 | +4 | +2 | | | |

Diei reducto addendum est:

ante } Mart. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Arietis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 1 53 9,492 | +22 16 8,53 | 1760 | Jan. 1 | 1 53 40,744 | +22 18 51,43 |
| | Apr. 10 | 9,528 | 8,23 | | Apr. 10 | 40,737 | 51,89 |
| | Jul. 19 | 9,555 | 7,88 | | Jul. 19 | 40,740 | 52,38 |
| | Oct. 27 | 9,572 | 7,47 | | Oct. 27 | 40,751 | 52,92 |
| | Dec. 66 | 9,580 | 7,01 | | Dec. 66 | 40,772 | 53,49 |
| 1751 | Jan. 0 | 1 53 12,920 | +22 16 24,69 | 1761 | Jan. 0 | 1 53 44,108 | +22 19 10,79 |
| | Apr. 10 | 12,921 | 24,20 | | Apr. 10 | 44,135 | 11,38 |
| | Jul. 19 | 12,913 | 23,68 | | Jul. 19 | 44,171 | 11,99 |
| | Oct. 27 | 12,895 | 23,12 | | Oct. 27 | 44,216 | 12,62 |
| | Dec. 66 | 12,867 | 22,53 | | Dec. 66 | 44,269 | 13,27 |
| 1752 | Jan. 1 | 1 53 16,219 | +22 16 40,23 | 1762 | Jan. 0 | 1 53 47,594 | +22 19 30,54 |
| | Apr. 10 | 16,184 | 39,62 | | Apr. 10 | 47,652 | 31,19 |
| | Jul. 19 | 16,141 | 38,98 | | Jul. 19 | 47,717 | 31,85 |
| | Oct. 27 | 16,089 | 38,32 | | Oct. 27 | 47,789 | 32,50 |
| | Dec. 66 | 16,028 | 37,65 | | Dec. 66 | 47,867 | 33,16 |
| 1753 | Jan. 0 | 1 53 19,391 | +22 16 55,39 | 1763 | Jan. 0 | 1 53 51,184 | +22 19 50,43 |
| | Apr. 10 | 19,324 | 54,71 | | Apr. 10 | 51,267 | 51,08 |
| | Jul. 19 | 19,251 | 54,03 | | Jul. 19 | 51,354 | 51,71 |
| | Oct. 27 | 19,171 | 53,35 | | Oct. 27 | 51,445 | 52,32 |
| | Dec. 66 | 19,084 | 52,68 | | Dec. 66 | 51,540 | 52,91 |
| 1754 | Jan. 0 | 1 53 22,456 | +22 17 10,41 | 1764 | Jan. 1 | 1 53 54,854 | +22 20 10,20 |
| | Apr. 10 | 22,364 | 9,73 | | Apr. 10 | 54,950 | 10,77 |
| | Jul. 19 | 22,269 | 9,08 | | Jul. 19 | 55,048 | 11,31 |
| | Oct. 27 | 22,170 | 8,48 | | Oct. 27 | 55,149 | 11,81 |
| | Dec. 66 | 22,066 | 7,91 | | Dec. 66 | 55,251 | 12,28 |
| 1755 | Jan. 0 | 1 53 25,444 | +22 17 25,61 | 1765 | Jan. 0 | 1 53 58,561 | +22 20 29,61 |
| | Apr. 10 | 25,339 | 25,04 | | Apr. 10 | 58,664 | 30,05 |
| | Jul. 19 | 25,233 | 24,52 | | Jul. 19 | 58,765 | 30,44 |
| | Oct. 27 | 25,127 | 24,04 | | Oct. 27 | 58,865 | 30,78 |
| | Dec. 66 | 25,020 | 23,61 | | Dec. 66 | 58,963 | 31,07 |
| 1756 | Jan. 1 | 1 53 28,398 | +22 17 41,26 | 1766 | Jan. 0 | 1 54 2,275 | +22 20 48,45 |
| | Apr. 10 | 28,292 | 40,86 | | Apr. 10 | 2,372 | 48,71 |
| | Jul. 19 | 28,188 | 40,52 | | Jul. 19 | 2,464 | 48,91 |
| | Oct. 27 | 28,088 | 40,23 | | Oct. 27 | 2,552 | 49,05 |
| | Dec. 66 | 27,990 | 40,00 | | Dec. 66 | 2,636 | 49,13 |
| 1757 | Jan. 0 | 1 53 31,365 | +22 17 57,58 | 1767 | Jan. 0 | 1 54 5,954 | +22 21 6,59 |
| | Apr. 10 | 31,270 | 57,39 | | Apr. 10 | 6,034 | 6,63 |
| | Jul. 19 | 31,182 | 57,27 | | Jul. 19 | 6,108 | 6,61 |
| | Oct. 27 | 31,099 | 57,21 | | Oct. 27 | 6,175 | 6,54 |
| | Dec. 66 | 31,022 | 57,20 | | Dec. 66 | 6,235 | 6,40 |
| 1758 | Jan. 0 | 1 53 34,390 | +22 18 14,69 | 1768 | Jan. 1 | 1 54 9,561 | +22 21 23,93 |
| | Apr. 10 | 34,318 | 14,75 | | Apr. 10 | 9,616 | 23,75 |
| | Jul. 19 | 34,254 | 14,87 | | Jul. 19 | 9,662 | 23,52 |
| | Oct. 27 | 34,198 | 15,04 | | Oct. 27 | 9,700 | 23,23 |
| | Dec. 66 | 34,150 | 15,27 | | Dec. 66 | 9,729 | 22,88 |
| 1759 | Jan. 0 | 1 53 37,508 | +22 18 32,68 | 1769 | Jan. 0 | 1 54 13,065 | +22 21 40,48 |
| | Apr. 10 | 37,467 | 32,95 | | Apr. 10 | 13,088 | 40,10 |
| | Jul. 19 | 37,435 | 33,27 | | Jul. 19 | 13,102 | 39,67 |
| | Oct. 27 | 37,411 | 33,65 | | Oct. 27 | 13,106 | 39,19 |
| | Dec. 66 | 37,397 | 34,08 | | Dec. 66 | 13,100 | 38,67 |

## Tabulae X. Sect. I. *a Arietis.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,530 | −10,6 | + 5,86 | − 2,5 | +4 | +1 | 1750 | 1 53 3,4434 | +22 16 1,962 |
| 10 | +0,414 | −12,5 | + 5,53 | − 4,2 | +4 | +1 | 1751 | 53 11,7850 | 16 19,478 |
| 20 | +0,281 | −13,8 | + 5,03 | − 5,8 | +4 | +1 | 1752 | 53 15,1268 | 16 36,992 |
| 30 | +0,138 | −14,5 | + 4,38 | − 7,2 | +4 | +2 | 1753 | 53 18,4688 | 16 54,504 |
| Febr. 9 | −0,009 | −14,5 | + 3,60 | − 8,3 | +3 | +2 | 1754 | 53 21,8110 | 17 12,013 |
| | | | | | | | 1755 | 53 25,1533 | 17 29,520 |
| 19 | −0,151 | −13,6 | + 2,73 | − 9,0 | +3 | +2 | 1756 | 53 28,4959 | 17 47,024 |
| Mart. 1 | −0,281 | −11,9 | + 1,81 | − 9,3 | +3 | +2 | 1757 | 53 31,8387 | 18 4,526 |
| 11 | −0,388 | − 9,2 | + 0,87 | − 9,2 | +2 | +2 | 1758 | 53 35,1817 | 18 22,026 |
| 21 | −0,465 | − 5,9 | − 0,02 | − 8,4 | +2 | +2 | 1759 | 53 38,5249 | 18 39,523 |
| 31 | −0,505 | − 1,9 | − 0,81 | − 7,2 | +1 | +2 | 1760 | 53 41,8682 | 18 57,018 |
| | | | | | | | 1761 | 53 45,2118 | 19 14,511 |
| Apr. 10 | −0,502 | + 2,7 | − 1,46 | − 5,6 | 0 | +2 | 1762 | 53 48,5556 | 19 32,001 |
| 20 | −0,452 | + 7,5 | − 1,92 | − 3,5 | 0 | +1 | 1763 | 53 51,8996 | 19 49,488 |
| 30 | −0,353 | +12,3 | − 2,15 | − 1,0 | −1 | +1 | 1764 | 53 55,2438 | 20 6,974 |
| Maj. 10 | −0,206 | +17,0 | − 2,11 | + 1,8 | −1 | 0 | 1765 | 53 58,5881 | 20 24,457 |
| 20 | −0,013 | +21,4 | − 1,80 | + 4,5 | −1 | 0 | 1766 | 54 1,9327 | 20 41,937 |
| | | | | | | | 1767 | 54 5,2775 | 20 59,415 |
| 30 | +0,222 | +25,3 | − 1,21 | + 7,3 | −2 | −1 | 1768 | 54 8,6225 | 21 16,891 |
| Jun. 9 | +0,492 | +28,4 | − 0,34 | +10,0 | −2 | −1 | 1769 | 54 11,9677 | 21 34,364 |
| 19 | +0,790 | +30,9 | + 0,78 | +12,4 | −2 | −2 | 1770 | 54 15,3130 | 21 51,835 |
| 29 | +1,109 | +32,5 | + 2,13 | +14,5 | −2 | −2 | | | |
| Jul. 9 | +1,439 | +33,2 | + 3,67 | +16,1 | −2 | −2 | | | |
| 19 | +1,773 | +33,2 | + 5,35 | +17,4 | −2 | −3 | | | |
| 29 | +2,102 | +32,3 | + 7,14 | +18,2 | −2 | −3 | | | |
| Aug. 8 | +2,419 | +30,8 | + 8,98 | +18,5 | −2 | −4 | | | |
| 18 | +2,718 | +28,7 | +10,83 | +18,4 | −2 | −4 | | | |
| 28 | +2,993 | +26,2 | +12,65 | +17,8 | −1 | −4 | | | |
| Sept. 7 | +3,241 | +22,8 | +14,39 | +16,9 | −1 | −4 | | | |
| 17 | +3,459 | +19,8 | +16,02 | +15,7 | 0 | −4 | | | |
| 27 | +3,646 | +17,1 | +17,52 | +14,3 | 0 | −4 | | | |
| Oct. 7 | +3,800 | +13,8 | +18,88 | +12,8 | +1 | −4 | | | |
| 17 | +3,922 | +10,7 | +20,07 | +11,0 | +2 | −4 | | | |
| 27 | +4,013 | + 7,5 | +21,08 | + 9,3 | +2 | −4 | | | |
| Nov. 6 | +4,072 | + 4,4 | +21,93 | + 7,6 | +3 | −4 | | | |
| 16 | +4,101 | + 1,5 | +22,59 | + 5,8 | +4 | −3 | | | |
| 26 | +4,101 | − 1,4 | +23,08 | + 4,0 | +4 | −3 | | | |
| Dec. 6 | +4,073 | − 4,2 | +23,39 | + 2,3 | +5 | −3 | | | |
| 16 | +4,017 | − 6,9 | +23,53 | + 0,5 | +5 | −2 | | | |
| 26 | +3,936 | − 9,3 | +23,48 | − 1,4 | +5 | −2 | | | |
| 36 | +3,832 | −11,4 | +23,25 | − 3,1 | +6 | −2 | | | |

Diei reducto addendum est:

ante } Apr. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Ceti.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 2 49 15,462 | + 3 5 41,56 | 1760 | Jan. 1 | 2 49 44,568 | + 3 7 58,04 |
| | Apr. 10 | 15,479 | 41,08 | | Apr. 10 | 44,578 | 58,63 |
| | Jul. 19 | 15,488 | 40,56 | | Jul. 19 | 44,596 | 59,25 |
| | Oct. 27 | 15,488 | 40,00 | | Oct. 27 | 44,623 | 59,91 |
| | Dec. 66 | 15,479 | 39,39 | | Dec. 66 | 44,658 | 8 0,61 |
| 1751 | Jan. 0 | 2 49 18,599 | + 3 5 54,30 | 1761 | Jan. 0 | 2 49 47,762 | + 3 8 15,05 |
| | Apr. 10 | 18,584 | 53,67 | | Apr. 10 | 47,802 | 15,75 |
| | Jul. 19 | 18,560 | 53,01 | | Jul. 19 | 47,850 | 16,46 |
| | Oct. 27 | 18,528 | 52,33 | | Oct. 27 | 47,904 | 17,17 |
| | Dec. 66 | 18,487 | 51,62 | | Dec. 66 | 47,966 | 17,88 |
| 1752 | Jan. 1 | 2 49 21,618 | + 3 6 6,56 | 1762 | Jan. 0 | 2 49 51,062 | + 3 8 32,32 |
| | Apr. 10 | 21,577 | 5,84 | | Apr. 10 | 51,128 | 33,03 |
| | Jul. 19 | 21,517 | 5,12 | | Jul. 19 | 51,199 | 33,72 |
| | Oct. 27 | 21,454 | 4,39 | | Oct. 27 | 51,275 | 34,39 |
| | Dec. 66 | 21,387 | 3,66 | | Dec. 66 | 51,357 | 35,05 |
| 1753 | Jan. 0 | 2 49 24,527 | + 3 6 18,61 | 1763 | Jan. 0 | 2 49 54,446 | + 3 8 49,51 |
| | Apr. 10 | 24,454 | 17,89 | | Apr. 10 | 54,529 | 50,15 |
| | Jul. 19 | 24,375 | 17,19 | | Jul. 19 | 54,617 | 50,76 |
| | Oct. 27 | 24,292 | 16,51 | | Oct. 27 | 54,707 | 51,33 |
| | Dec. 66 | 24,203 | 15,85 | | Dec. 66 | 54,799 | 51,87 |
| 1754 | Jan. 0 | 2 49 27,349 | + 3 6 30,77 | 1764 | Jan. 1 | 2 49 57,885 | + 3 9 6,36 |
| | Apr. 10 | 27,258 | 30,13 | | Apr. 10 | 57,978 | 6,87 |
| | Jul. 19 | 27,164 | 29,53 | | Jul. 19 | 58,072 | 7,32 |
| | Oct. 27 | 27,068 | 28,97 | | Oct. 27 | 58,165 | 7,73 |
| | Dec. 66 | 26,969 | 28,46 | | Dec. 66 | 58,258 | 8,09 |
| 1755 | Jan. 0 | 2 49 30,119 | + 3 6 43,33 | 1765 | Jan. 0 | 2 50 1,344 | + 3 9 22,64 |
| | Apr. 10 | 30,020 | 42,85 | | Apr. 10 | 1,437 | 22,96 |
| | Jul. 19 | 29,922 | 42,43 | | Jul. 19 | 1,527 | 23,22 |
| | Oct. 27 | 29,826 | 42,07 | | Oct. 27 | 1,614 | 23,42 |
| | Dec. 66 | 29,730 | 41,76 | | Dec. 66 | 1,699 | 23,56 |
| 1756 | Jan. 1 | 2 49 32,878 | + 3 6 57,55 | 1766 | Jan. 0 | 2 50 4,788 | + 3 9 38,18 |
| | Apr. 10 | 32,784 | 57,29 | | Apr. 10 | 4,871 | 38,28 |
| | Jul. 19 | 32,694 | 57,10 | | Jul. 19 | 4,948 | 38,31 |
| | Oct. 27 | 32,608 | 56,98 | | Oct. 27 | 5,020 | 38,28 |
| | Dec. 66 | 32,526 | 56,92 | | Dec. 66 | 5,086 | 38,19 |
| 1757 | Jan. 0 | 2 49 35,669 | + 3 7 10,62 | 1767 | Jan. 0 | 2 50 8,182 | + 3 9 52,89 |
| | Apr. 10 | 35,591 | 10,61 | | Apr. 10 | 8,245 | 52,75 |
| | Jul. 19 | 35,519 | 10,67 | | Jul. 19 | 8,301 | 52,55 |
| | Oct. 27 | 35,454 | 10,79 | | Oct. 27 | 8,350 | 52,29 |
| | Dec. 66 | 35,396 | 10,98 | | Dec. 66 | 8,391 | 51,96 |
| 1758 | Jan. 0 | 2 49 38,531 | + 3 7 25,60 | 1768 | Jan. 1 | 2 50 11,495 | + 3 10 6,74 |
| | Apr. 10 | 38,477 | 25,84 | | Apr. 10 | 11,531 | 6,38 |
| | Jul. 19 | 38,432 | 26,13 | | Jul. 19 | 11,559 | 5,96 |
| | Oct. 27 | 38,395 | 26,49 | | Oct. 27 | 11,579 | 5,50 |
| | Dec. 66 | 38,367 | 26,90 | | Dec. 66 | 11,590 | 4,98 |
| 1759 | Jan. 0 | 2 49 41,492 | + 3 7 31,44 | 1769 | Jan. 0 | 2 50 14,705 | + 3 10 19,81 |
| | Apr. 10 | 41,469 | 31,89 | | Apr. 10 | 14,710 | 19,26 |
| | Jul. 19 | 41,455 | 32,39 | | Jul. 19 | 14,706 | 18,68 |
| | Oct. 27 | 41,450 | 32,95 | | Oct. 27 | 14,693 | 18,05 |
| | Dec. 66 | 41,454 | 33,56 | | Dec. 66 | 14,671 | 17,39 |

## Tabulae X. Sect. I. *α Ceti.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,774 | − 7,4 | − 0,66 | − 7,4 | +3 | +1 | 1750 | 2 49 14,4458 | + 3 5 35,580 |
| 10 | +0,687 | − 9,9 | − 1,38 | − 6,9 | +3 | +1 | 1751 | 49 17,5618 | 5 50,290 |
| 20 | +0,576 | −12,1 | − 2,03 | − 6,1 | +3 | +1 | 1752 | 49 20,6779 | 6 4,997 |
| 30 | +0,446 | −13,7 | − 2,60 | − 5,3 | +3 | +1 | 1753 | 49 23,7941 | 6 19,701 |
| Febr. 9 | +0,303 | −14,6 | − 3,08 | − 4,3 | +3 | +1 | 1754 | 49 26,9104 | 6 34,402 |
| | | | | | | | 1755 | 49 30,0266 | 6 49,100 |
| 19 | +0,155 | −14,7 | − 3,46 | − 3,2 | +3 | +1 | 1756 | 49 33,1431 | 7 4,795 |
| Mart. 1 | +0,009 | −14,0 | − 3,71 | − 1,9 | +3 | +1 | 1757 | 49 36,2597 | 7 18,486 |
| 11 | −0,125 | −12,5 | − 3,83 | − 0,4 | +2 | 0 | 1758 | 49 39,3764 | 7 33,174 |
| 21 | −0,240 | −10,1 | − 3,79 | + 1,3 | +2 | 0 | 1759 | 49 42,4931 | 7 47,859 |
| 31 | −0,326 | − 6,8 | − 3,58 | + 3,1 | +2 | 0 | 1760 | 49 45,6099 | 8 2,541 |
| | | | | | | | 1761 | 49 48,7268 | 8 17,220 |
| Apr. 10 | −0,376 | − 3,0 | − 3,18 | + 5,1 | +1 | −1 | 1762 | 49 51,8438 | 8 31,895 |
| 20 | −0,386 | + 1,2 | − 2,57 | + 7,1 | +1 | −1 | 1763 | 49 54,9609 | 8 46,568 |
| 30 | −0,352 | + 5,8 | − 1,76 | + 9,2 | 0 | −1 | 1764 | 49 58,0781 | 9 1,237 |
| Maj. 10 | −0,271 | +10,3 | − 0,74 | +11,3 | 0 | −2 | 1765 | 50 1,1956 | 9 15,903 |
| 20 | −0,146 | +14,7 | + 0,49 | +13,2 | −1 | −2 | 1766 | 50 4,3130 | 9 30,566 |
| | | | | | | | 1767 | 50 7,4305 | 9 45,226 |
| 30 | +0,023 | +18,9 | + 1,89 | +15,8 | −1 | −2 | 1768 | 50 10,5481 | 9 59,882 |
| Jun. 9 | +0,231 | +22,5 | + 3,45 | +16,3 | −1 | −3 | 1769 | 50 13,6658 | 10 14,536 |
| 19 | +0,472 | +25,5 | + 5,14 | +17,3 | −2 | −3 | 1770 | 50 16,7837 | 10 29,186 |
| 29 | +0,740 | +27,9 | + 6,90 | +17,8 | −2 | −3 | | | |
| Jul. 9 | +1,029 | +29,5 | + 8,69 | +17,9 | −2 | −3 | | | |
| 19 | +1,329 | +30,4 | +10,47 | +17,4 | −2 | −3 | | | |
| 29 | +1,636 | +30,6 | +12,17 | +16,5 | −2 | −3 | | | |
| Aug. 8 | +1,941 | +30,0 | +13,76 | +15,0 | −2 | −3 | | | |
| 18 | +2,236 | +28,9 | +15,17 | +13,2 | −2 | −3 | | | |
| 28 | +2,518 | +27,3 | +16,39 | +11,0 | −2 | −3 | | | |
| Sept. 7 | +2,782 | +25,3 | +17,36 | + 8,5 | −2 | −3 | | | |
| 17 | +3,024 | +23,0 | +18,09 | + 6,0 | −1 | −3 | | | |
| 27 | +3,242 | +20,5 | +18,55 | + 3,3 | −1 | −3 | | | |
| Oct. 7 | +3,434 | +17,8 | +18,75 | + 0,8 | −1 | −3 | | | |
| 17 | +3,598 | +15,0 | +18,71 | − 1,5 | 0 | −3 | | | |
| 27 | +3,734 | +12,2 | +18,46 | − 3,4 | 0 | −3 | | | |
| Nov. 6 | +3,841 | + 9,3 | +18,03 | − 5,1 | +1 | −3 | | | |
| 16 | +3,919 | + 6,4 | +17,45 | − 6,3 | +2 | −3 | | | |
| 26 | +3,967 | + 3,4 | +16,77 | − 7,1 | +2 | −3 | | | |
| Dec. 6 | +3,985 | + 0,4 | +16,03 | − 7,6 | +3 | −2 | | | |
| 16 | +3,974 | − 2,7 | +15,25 | − 7,8 | +3 | −2 | | | |
| 26 | +3,932 | − 5,7 | +14,48 | − 7,6 | +3 | −2 | | | |
| 36 | +3,861 | − 8,4 | +13,74 | − 7,2 | +4 | −2 | | | |

Diei reducto addendum est:

ante } Maj. 5 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 4 21 37,442 | +15 59 0,24 | 1760 | Jan. 1 | 4 22 9,414 | +16 0 15,27 |
| | Apr. 10 | 37,465 | 58 59,54 | | Apr. 10 | 9,422 | 16,05 |
| | Jul. 19 | 37,479 | 58,81 | | Jul. 19 | 9,437 | 16,84 |
| | Oct. 27 | 37,483 | 58,05 | | Oct. 27 | 9,462 | 17,63 |
| | Dec. 66 | 37,477 | 57,27 | | Dec. 66 | 9,496 | 18,42 |
| 1751 | Jan. 0 | 4 21 40,902 | +15 59 5,71 | 1761 | Jan. 0 | 4 22 12,907 | +16 0 26,28 |
| | Apr. 10 | 40,889 | 4,91 | | Apr. 10 | 12,947 | 27,07 |
| | Jul. 19 | 40,867 | 4,12 | | Jul. 19 | 12,996 | 27,83 |
| | Oct. 27 | 40,835 | 3,33 | | Oct. 27 | 13,052 | 28,58 |
| | Dec. 66 | 40,794 | 2,53 | | Dec. 66 | 13,117 | 29,31 |
| 1752 | Jan. 1 | 4 21 44,231 | +15 59 10,96 | 1762 | Jan. 0 | 4 22 16,517 | +16 0 37,19 |
| | Apr. 10 | 44,184 | 10,17 | | Apr. 10 | 16,585 | 37,89 |
| | Jul. 19 | 44,128 | 9,41 | | Jul. 19 | 16,662 | 38,56 |
| | Oct. 27 | 44,064 | 8,66 | | Oct. 27 | 16,744 | 39,18 |
| | Dec. 66 | 43,991 | 7,94 | | Dec. 66 | 16,831 | 39,76 |
| 1753 | Jan. 0 | 4 21 47,438 | +15 59 16,35 | 1763 | Jan. 0 | 4 22 20,224 | +16 0 47,69 |
| | Apr. 10 | 47,361 | 15,65 | | Apr. 10 | 20,314 | 48,24 |
| | Jul. 19 | 47,277 | 15,00 | | Jul. 19 | 20,408 | 48,73 |
| | Oct. 27 | 47,187 | 14,40 | | Oct. 27 | 20,505 | 49,17 |
| | Dec. 66 | 47,092 | 13,84 | | Dec. 66 | 20,606 | 49,55 |
| 1754 | Jan. 0 | 4 21 50,547 | +15 59 22,18 | 1764 | Jan. 1 | 4 22 23,995 | +16 0 57,54 |
| | Apr. 10 | 50,448 | 21,66 | | Apr. 10 | 24,097 | 57,88 |
| | Jul. 19 | 50,346 | 21,21 | | Jul. 19 | 24,199 | 58,15 |
| | Oct. 27 | 50,242 | 20,82 | | Oct. 27 | 24,301 | 58,35 |
| | Dec. 66 | 50,135 | 20,50 | | Dec. 66 | 24,404 | 58,48 |
| 1755 | Jan. 0 | 4 21 53,593 | +15 59 28,75 | 1765 | Jan. 0 | 4 22 27,793 | +16 1 6,56 |
| | Apr. 10 | 53,486 | 28,47 | | Apr. 10 | 27,895 | 6,64 |
| | Jul. 19 | 53,379 | 28,27 | | Jul. 19 | 27,995 | 6,66 |
| | Oct. 27 | 53,271 | 28,14 | | Oct. 27 | 28,092 | 6,60 |
| | Dec. 66 | 53,164 | 28,09 | | Dec. 66 | 28,187 | 6,48 |
| 1756 | Jan. 1 | 4 21 56,622 | +15 59 36,26 | 1766 | Jan. 0 | 4 22 31,579 | +16 1 14,64 |
| | Apr. 10 | 56,517 | 36,26 | | Apr. 10 | 31,671 | 14,47 |
| | Jul. 19 | 56,416 | 36,33 | | Jul. 19 | 31,758 | 14,23 |
| | Oct. 27 | 56,320 | 36,48 | | Oct. 27 | 31,840 | 13,93 |
| | Dec. 66 | 56,228 | 36,70 | | Dec. 66 | 31,916 | 13,56 |
| 1757 | Jan. 0 | 4 21 59,681 | +15 59 44,76 | 1767 | Jan. 0 | 4 22 35,314 | +16 1 21,79 |
| | Apr. 10 | 59,592 | 45,03 | | Apr. 10 | 35,386 | 21,38 |
| | Jul. 19 | 59,511 | 45,37 | | Jul. 19 | 35,451 | 20,91 |
| | Oct. 27 | 59,436 | 45,78 | | Oct. 27 | 35,507 | 20,38 |
| | Dec. 66 | 59,369 | 46,25 | | Dec. 66 | 35,556 | 19,80 |
| 1758 | Jan. 0 | 4 22 2,813 | +15 59 54,23 | 1768 | Jan. 1 | 4 22 38,964 | +16 1 28,10 |
| | Apr. 10 | 2,750 | 54,74 | | Apr. 10 | 39,008 | 27,48 |
| | Jul. 19 | 2,696 | 55,30 | | Jul. 19 | 39,042 | 26,83 |
| | Oct. 27 | 2,652 | 55,91 | | Oct. 27 | 39,068 | 26,14 |
| | Dec. 66 | 2,618 | 56,57 | | Dec. 66 | 39,083 | 25,41 |
| 1759 | Jan. 0 | 4 22 6,051 | +16 0 4,48 | 1769 | Jan. 0 | 4 22 42,503 | +16 1 33,75 |
| | Apr. 10 | 6,022 | 5,17 | | Apr. 10 | 42,512 | 33,00 |
| | Jul. 19 | 6,002 | 5,88 | | Jul. 19 | 42,512 | 32,23 |
| | Oct. 27 | 5,993 | 6,63 | | Oct. 27 | 42,502 | 31,45 |
| | Dec. 66 | 5,993 | 7,40 | | Dec. 66 | 42,483 | 30,65 |

## Tabulae X. Sect. I. *α Tauri.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,202 | − 0,7 | + 1,33 | − 2,5 | +2 | −1 |
| 10 | +1,175 | − 4,8 | + 1,08 | − 2,5 | +2 | −1 |
| 20 | +1,107 | − 8,6 | + 0,83 | − 2,6 | +3 | −1 |
| 30 | +1,004 | −11,8 | + 0,57 | − 2,7 | +3 | 0 |
| Febr. 9 | +0,871 | −14,5 | + 0,30 | − 2,7 | +3 | 0 |
| 19 | +0,714 | −16,4 | + 0,03 | − 2,8 | +3 | 0 |
| Mart. 1 | +0,544 | −17,2 | − 0,25 | − 2,8 | +4 | 0 |
| 11 | +0,371 | −17,0 | − 0,53 | − 2,8 | +3 | 0 |
| 21 | +0,205 | −15,7 | − 0,80 | − 2,5 | +3 | 0 |
| 31 | +0,057 | −13,5 | − 1,03 | − 2,1 | +3 | 0 |
| Apr. 10 | −0,064 | −10,3 | − 1,21 | − 1,4 | +3 | 0 |
| 20 | −0,149 | − 6,5 | − 1,31 | − 0,5 | +2 | 0 |
| 30 | −0,194 | − 2,2 | − 1,31 | + 0,6 | +2 | 0 |
| Maj. 10 | −0,193 | + 2,5 | − 1,19 | + 1,9 | +1 | 0 |
| 20 | −0,145 | + 7,2 | − 0,93 | + 3,4 | +1 | 0 |
| 30 | −0,050 | +11,8 | − 0,52 | + 4,9 | 0 | 0 |
| Jun. 9 | +0,091 | +16,1 | + 0,04 | + 6,3 | 0 | −1 |
| 19 | +0,272 | +20,0 | + 0,74 | + 7,6 | −1 | −1 |
| 29 | +0,490 | +23,4 | + 1,56 | + 8,8 | −1 | −1 |
| Jul. 9 | +0,739 | +26,1 | + 2,50 | + 9,8 | −2 | −2 |
| 19 | +1,011 | +28,2 | + 3,51 | +10,3 | −2 | −2 |
| 29 | +1,302 | +29,7 | + 4,55 | +10,5 | −2 | −3 |
| Aug. 8 | +1,604 | +30,5 | + 5,60 | +10,4 | −2 | −3 |
| 18 | +1,911 | +30,8 | + 6,62 | + 9,8 | −2 | −3 |
| 28 | +2,219 | +30,6 | + 7,56 | + 8,9 | −2 | −4 |
| Sept. 7 | +2,522 | +29,9 | + 8,40 | + 7,8 | −2 | −4 |
| 17 | +2,817 | +29,0 | + 9,12 | + 6,5 | −2 | −4 |
| 27 | +3,101 | +27,7 | + 9,69 | + 5,0 | −2 | −5 |
| Oct. 7 | +3,370 | +26,0 | +10,11 | + 3,5 | −2 | −5 |
| 17 | +3,621 | +24,1 | +10,38 | + 2,1 | −1 | −5 |
| 27 | +3,851 | +21,9 | +10,52 | + 0,8 | −1 | −5 |
| Nov. 6 | +4,058 | +19,4 | +10,54 | − 0,3 | 0 | −5 |
| 16 | +4,238 | +16,5 | +10,46 | − 1,2 | 0 | −5 |
| 26 | +4,388 | +13,3 | +10,30 | − 1,8 | +1 | −6 |
| Dec. 6 | +4,503 | + 9,7 | +10,10 | − 2,2 | +2 | −6 |
| 16 | +4,582 | + 5,9 | + 9,87 | − 2,4 | +2 | −6 |
| 26 | +4,621 | + 1,9 | + 9,62 | − 2,5 | +3 | −5 |
| 36 | +4,619 | − 2,2 | + 9,37 | − 2,5 | +3 | −5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 4 21 36,3366 | +15 58 55,972 |
| 1751 | 21 39,7583 | 59 4,147 |
| 1752 | 21 43,1801 | 59 12,317 |
| 1753 | 21 46,6020 | 59 20,483 |
| 1754 | 21 50,0240 | 59 28,645 |
| 1755 | 21 53,4460 | 59 36,800 |
| 1756 | 21 56,8683 | 59 44,953 |
| 1757 | 22 0,2906 | 59 53,101 |
| 1758 | 22 3,7130 | +16 0 1,244 |
| 1759 | 22 7,1356 | 0 9,382 |
| 1760 | 22 10,5583 | 0 17,516 |
| 1761 | 22 13,9811 | 0 25,645 |
| 1762 | 22 17,4040 | 0 33,770 |
| 1763 | 22 20,8270 | 0 41,890 |
| 1764 | 22 24,2501 | 0 50,005 |
| 1765 | 22 27,6732 | 0 58,116 |
| 1766 | 22 31,0965 | 1 6,222 |
| 1767 | 22 34,5199 | 1 14,324 |
| 1768 | 22 37,9434 | 1 22,421 |
| 1769 | 22 41,3670 | 1 30,513 |
| 1770 | 22 44,7909 | 1 38,601 |

Diei reducto addendum est:

ante } Maj. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Aurigae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 4 58 17,401 | +45 42 43,65 | 1760 | Jan. 1 | 4 58 58,532 | +45 43 27,93 |
| | Apr. 10 | 17,437 | 42,91 | | Apr. 10 | 58,534 | 28,75 |
| | Jul. 19 | 17,461 | 42,14 | | Jul. 19 | 58,548 | 29,56 |
| | Oct. 27 | 17,473 | 41,34 | | Oct. 27 | 58,574 | 30,36 |
| | Dec. 66 | 17,472 | 40,52 | | Dec. 66 | 58,613 | 31,16 |
| 1751 | Jan. 0 | 4 58 21,874 | +45 42 45,71 | 1761 | Jan. 0 | 4 59 3,001 | +45 43 35,74 |
| | Apr. 10 | 21,864 | 44,89 | | Apr. 10 | 3,047 | 36,53 |
| | Jul. 19 | 21,842 | 44,07 | | Jul. 19 | 3,104 | 37,29 |
| | Oct. 27 | 21,808 | 43,77 | | Oct. 27 | 3,172 | 38,01 |
| | Dec. 66 | 21,761 | 42,47 | | Dec. 66 | 3,250 | 38,71 |
| 1752 | Jan. 1 | 4 58 26,178 | +45 42 47,64 | 1762 | Jan. 0 | 4 59 7,625 | +45 43 43,32 |
| | Apr. 10 | 26,123 | 46,86 | | Apr. 10 | 7,710 | 43,99 |
| | Jul. 19 | 26,057 | 46,11 | | Jul. 19 | 7,802 | 44,62 |
| | Oct. 27 | 25,980 | 45,39 | | Oct. 27 | 7,903 | 45,19 |
| | Dec. 66 | 25,891 | 44,70 | | Dec. 66 | 8,012 | 45,71 |
| 1753 | Jan. 0 | 4 58 30,323 | +45 42 49,83 | 1763 | Jan. 0 | 4 59 12,377 | +45 43 50,38 |
| | Apr. 10 | 30,228 | 49,17 | | Apr. 10 | 12,491 | 50,87 |
| | Jul. 19 | 30,124 | 48,58 | | Jul. 19 | 12,609 | 51,29 |
| | Oct. 27 | 30,013 | 48,03 | | Oct. 27 | 12,732 | 51,65 |
| | Dec. 66 | 29,893 | 47,54 | | Dec. 66 | 12,859 | 51,94 |
| 1754 | Jan. 0 | 4 58 34,334 | +45 42 52,59 | 1764 | Jan. 1 | 4 59 17,219 | +45 43 56,68 |
| | Apr. 10 | 34,210 | 52,13 | | Apr. 10 | 17,349 | 56,93 |
| | Jul. 19 | 34,081 | 51,77 | | Jul. 19 | 17,480 | 57,11 |
| | Oct. 27 | 33,948 | 51,47 | | Oct. 27 | 17,612 | 57,22 |
| | Dec. 66 | 33,811 | 51,24 | | Dec. 66 | 17,745 | 57,26 |
| 1755 | Jan. 0 | 4 58 38,258 | +45 42 56,19 | 1765 | Jan. 0 | 4 59 22,103 | +45 44 2,08 |
| | Apr. 10 | 38,119 | 56,01 | | Apr. 10 | 22,236 | 2,07 |
| | Jul. 19 | 37,981 | 55,91 | | Jul. 19 | 22,366 | 1,98 |
| | Oct. 27 | 37,843 | 55,88 | | Oct. 27 | 22,495 | 1,83 |
| | Dec. 66 | 37,705 | 55,93 | | Dec. 66 | 22,617 | 1,60 |
| 1756 | Jan. 1 | 4 58 42,152 | +45 43 0,79 | 1766 | Jan. 0 | 4 59 26,979 | +45 44 6,51 |
| | Apr. 10 | 42,016 | 0,89 | | Apr. 10 | 27,101 | 6,24 |
| | Jul. 19 | 41,884 | 1,07 | | Jul. 19 | 27,216 | 5,90 |
| | Oct. 27 | 41,757 | 1,32 | | Oct. 27 | 27,325 | 5,50 |
| | Dec. 66 | 41,635 | 1,65 | | Dec. 66 | 27,427 | 5,03 |
| 1757 | Jan. 0 | 4 58 46,076 | +45 43 6,40 | 1767 | Jan. 0 | 4 59 31,797 | +45 44 10,00 |
| | Apr. 10 | 45,958 | 6,78 | | Apr. 10 | 31,894 | 9,50 |
| | Jul. 19 | 45,849 | 7,22 | | Jul. 19 | 31,982 | 8,94 |
| | Oct. 27 | 45,749 | 7,72 | | Oct. 27 | 32,061 | 8,33 |
| | Dec. 66 | 45,657 | 8,28 | | Dec. 66 | 32,130 | 7,67 |
| 1758 | Jan. 0 | 4 58 50,088 | +45 43 12,96 | 1768 | Jan. 1 | 4 59 36,511 | +45 44 12,70 |
| | Apr. 10 | 50,002 | 13,56 | | Apr. 10 | 36,573 | 12,01 |
| | Jul. 19 | 49,928 | 14,20 | | Jul. 19 | 36,623 | 11,29 |
| | Oct. 27 | 49,865 | 14,88 | | Oct. 27 | 36,662 | 10,54 |
| | Dec. 66 | 49,813 | 15,61 | | Dec. 66 | 36,689 | 9,76 |
| 1759 | Jan. 0 | 4 58 54,231 | +45 43 20,23 | 1769 | Jan. 0 | 4 59 41,085 | +45 44 14,82 |
| | Apr. 10 | 54,187 | 20,98 | | Apr. 10 | 41,104 | 14,02 |
| | Jul. 19 | 54,155 | 21,75 | | Jul. 19 | 41,110 | 13,22 |
| | Oct. 27 | 54,136 | 22,54 | | Oct. 27 | 41,103 | 12,40 |
| | Dec. 66 | 54,129 | 23,35 | | Dec. 66 | 41,084 | 11,58 |

## Tabulae X. Sect. I. *a Aurigae.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,805 | + 2,1 | +4,45 | +13,9 | +3 | − 4 |
| 10 | +1,796 | − 3,9 | +5,79 | +12,7 | +4 | − 4 |
| 20 | +1,728 | − 9,7 | +6,98 | +11,0 | +5 | − 4 |
| 30 | +1,603 | −15,0 | +7,98 | + 8,8 | +5 | − 3 |
| Febr. 9 | +1,429 | −19,4 | +8,73 | + 6,1 | +6 | − 3 |
| 19 | +1,216 | −22,6 | +9,20 | + 3,3 | +6 | − 2 |
| Mart. 1 | +0,977 | −24,5 | +9,38 | + 0,2 | +6 | − 1 |
| 11 | +0,727 | −25,0 | +9,24 | − 2,9 | +6 | 0 |
| 21 | +0,478 | −24,0 | +8,81 | − 5,7 | +6 | 0 |
| 31 | +0,247 | −21,6 | +8,11 | − 8,3 | +6 | + 1 |
| Apr. 10 | +0,046 | −18,0 | +7,16 | −10,5 | +5 | + 1 |
| 20 | −0,112 | −13,3 | +6,02 | −12,1 | +4 | + 2 |
| 30 | −0,220 | − 7,9 | +4,75 | −13,2 | +4 | + 2 |
| Maj. 10 | −0,270 | − 1,9 | +3,39 | −13,7 | +3 | + 2 |
| 20 | −0,257 | + 4,4 | +2,01 | −13,7 | +2 | + 2 |
| 30 | −0,183 | +10,5 | +0,66 | −13,1 | +1 | + 2 |
| Jun. 9 | −0,047 | +16,5 | −0,61 | −12,1 | 0 | + 2 |
| 19 | +0,146 | +21,9 | −1,76 | −10,6 | −1 | + 2 |
| 29 | +0,390 | +26,8 | −2,73 | − 8,9 | −2 | + 1 |
| Jul. 9 | +0,681 | +31,0 | −3,54 | − 7,1 | −2 | 0 |
| 19 | +1,010 | +34,4 | −4,14 | − 5,0 | −3 | 0 |
| 29 | +1,369 | +37,1 | −4,54 | − 3,0 | −3 | − 1 |
| Aug. 8 | +1,752 | +39,1 | −4,73 | − 0,9 | −4 | − 2 |
| 18 | +2,150 | +40,3 | −4,72 | + 1,1 | −4 | − 3 |
| 28 | +2,557 | +40,9 | −4,52 | + 2,9 | −4 | − 4 |
| Sept. 7 | +2,968 | +41,0 | −4,14 | + 4,7 | −4 | − 5 |
| 17 | +3,376 | +40,5 | −3,59 | + 6,3 | −4 | − 5 |
| 27 | +3,777 | +39,5 | −2,89 | + 7,8 | −4 | − 6 |
| Oct. 7 | +4,166 | +38,0 | −2,04 | + 9,2 | −3 | − 7 |
| 17 | +4,537 | +36,0 | −1,05 | +10,5 | −3 | − 8 |
| 27 | +4,886 | +33,6 | +0,06 | +11,7 | −2 | − 9 |
| Nov. 6 | +5,208 | +30,5 | +1,28 | +12,8 | −1 | − 9 |
| 16 | +5,495 | +26,8 | +2,61 | +13,7 | 0 | −10 |
| 26 | +5,743 | +22,4 | +4,01 | +14,3 | +1 | −10 |
| Dec. 6 | +5,943 | +17,5 | +5,47 | +14,8 | +2 | −11 |
| 16 | +6,092 | +11,9 | +6,96 | +14,8 | +3 | −11 |
| 26 | +6,181 | + 6,0 | +8,42 | +14,4 | +4 | −11 |
| 36 | +6,211 | − 0,1 | +9,83 | +14,0 | +5 | −10 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 4 58 15,9950 | +45 42 40,302 |
| 1751 | 58 20,3952 | 42 45,214 |
| 1752 | 58 24,7956 | 42 50,120 |
| 1753 | 58 29,1962 | 42 55,019 |
| 1754 | 58 33,5970 | 42 59,913 |
| 1755 | 58 37,9980 | 43 4,800 |
| 1756 | 58 42,3992 | 43 9,681 |
| 1757 | 58 46,8005 | 43 14,555 |
| 1758 | 58 51,2020 | 43 19,424 |
| 1759 | 58 55,6037 | 43 24,286 |
| 1760 | 59 0,0056 | 43 29,142 |
| 1761 | 59 4,4077 | 43 33,992 |
| 1762 | 59 8,8100 | 43 38,835 |
| 1763 | 59 13,2124 | 43 43,673 |
| 1764 | 59 17,6150 | 43 48,504 |
| 1765 | 59 22,0178 | 43 53,329 |
| 1766 | 59 26,4208 | 43 58,148 |
| 1767 | 59 30,8240 | 44 2,960 |
| 1768 | 59 35,2274 | 44 7,766 |
| 1769 | 59 39,6309 | 44 12,566 |
| 1770 | 59 44,0346 | 44 17,360 |

Diei reducto addendum est:

ante } Jun. 6 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Orionis.*

| | | h | ′ | ″ | ° | ′ | ″ | | | h | ′ | ″ | ° | ′ | ″ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 5 | 2 | 33,009 | — 8 | 30 | 37,33 | 1760 | Jan. 1 | 5 | 2 | 59,860 | — 8 | 29 | 52,40 |
| | Apr. 10 | | | 33,021 | | | 38,10 | | Apr. 10 | | | 59,873 | | | 51,58 |
| | Jul. 19 | | | 33,025 | | | 38,88 | | Jul. 19 | | | 59,894 | | | 50,77 |
| | Oct. 27 | | | 33,021 | | | 39,68 | | Oct. 27 | | | 59,922 | | | 49,97 |
| | Dec. 66 | | | 33,008 | | | 40,50 | | Dec. 66 | | | 59,958 | | | 49,17 |
| 1751 | Jan. 0 | 5 | 2 | 35,889 | — 8 | 30 | 35,28 | 1761 | Jan. 0 | 5 | 3 | 2,821 | — 8 | 29 | 44,53 |
| | Apr. 10 | | | 35,871 | | | 36,10 | | Apr. 10 | | | 2,862 | | | 43,75 |
| | Jul. 19 | | | 35,845 | | | 36,92 | | Jul. 19 | | | 2,909 | | | 42,99 |
| | Oct. 27 | | | 35,811 | | | 37,72 | | Oct. 27 | | | 2,963 | | | 42,27 |
| | Dec. 66 | | | 35,769 | | | 38,52 | | Dec. 66 | | | 3,023 | | | 41,58 |
| 1752 | Jan. 1 | 5 | 2 | 38,660 | — 8 | 30 | 33,31 | 1762 | Jan. 0 | 5 | 3 | 5,878 | — 8 | 29 | 36,90 |
| | Apr. 10 | | | 38,613 | | | 34,09 | | Apr. 10 | | | 5,942 | | | 36,24 |
| | Jul. 19 | | | 38,560 | | | 34,84 | | Jul. 19 | | | 6,010 | | | 35,62 |
| | Oct. 27 | | | 38,500 | | | 35,55 | | Oct. 27 | | | 6,082 | | | 35,06 |
| | Dec. 66 | | | 38,434 | | | 36,23 | | Dec. 66 | | | 6,159 | | | 34,54 |
| 1753 | Jan. 0 | 5 | 2 | 41,332 | — 8 | 30 | 31,07 | 1763 | Jan. 0 | 5 | 3 | 9,009 | — 8 | 29 | 29,81 |
| | Apr. 10 | | | 41,262 | | | 31,72 | | Apr. 10 | | | 9,088 | | | 29,33 |
| | Jul. 19 | | | 41,187 | | | 32,31 | | Jul. 19 | | | 9,170 | | | 28,92 |
| | Oct. 27 | | | 41,108 | | | 32,85 | | Oct. 27 | | | 9,254 | | | 28,57 |
| | Dec. 66 | | | 41,024 | | | 33,33 | | Dec. 66 | | | 9,339 | | | 28,28 |
| 1754 | Jan. 0 | 5 | 2 | 43,928 | — 8 | 30 | 28,24 | 1764 | Jan. 1 | 5 | 3 | 12,186 | — 8 | 29 | 23,47 |
| | Apr. 10 | | | 43,843 | | | 28,68 | | Apr. 10 | | | 12,273 | | | 23,23 |
| | Jul. 19 | | | 43,756 | | | 29,04 | | Jul. 19 | | | 12,359 | | | 23,07 |
| | Oct. 27 | | | 43,666 | | | 29,33 | | Oct. 27 | | | 12,445 | | | 22,97 |
| | Dec. 66 | | | 43,574 | | | 29,55 | | Dec. 66 | | | 12,530 | | | 22,94 |
| 1755 | Jan. 0 | 5 | 2 | 46,480 | — 8 | 30 | 24,56 | 1765 | Jan. 0 | 5 | 3 | 15,378 | — 8 | 29 | 18,05 |
| | Apr. 10 | | | 46,389 | | | 24,73 | | Apr. 10 | | | 15,462 | | | 18,07 |
| | Jul. 19 | | | 46,299 | | | 24,82 | | Jul. 19 | | | 15,544 | | | 18,17 |
| | Oct. 27 | | | 46,210 | | | 24,82 | | Oct. 27 | | | 15,623 | | | 18,33 |
| | Dec. 66 | | | 46,123 | | | 24,74 | | Dec. 66 | | | 15,699 | | | 18,57 |
| 1756 | Jan. 1 | 5 | 2 | 49,028 | — 8 | 30 | 19,88 | 1766 | Jan. 0 | 5 | 3 | 18,550 | — 8 | 29 | 13,60 |
| | Apr. 10 | | | 48,942 | | | 19,76 | | Apr. 10 | | | 18,624 | | | 13,88 |
| | Jul. 19 | | | 48,861 | | | 19,57 | | Jul. 19 | | | 18,693 | | | 14,22 |
| | Oct. 27 | | | 48,783 | | | 19,31 | | Oct. 27 | | | 18,756 | | | 14,64 |
| | Dec. 66 | | | 48,710 | | | 18,97 | | Dec. 66 | | | 18,815 | | | 15,12 |
| 1757 | Jan. 0 | 5 | 2 | 51,610 | — 8 | 30 | 14,17 | 1767 | Jan. 0 | 5 | 3 | 21,672 | — 8 | 29 | 10,07 |
| | Apr. 10 | | | 51,540 | | | 13,78 | | Apr. 10 | | | 21,727 | | | 10,58 |
| | Jul. 19 | | | 51,477 | | | 13,33 | | Jul. 19 | | | 21,775 | | | 11,15 |
| | Oct. 27 | | | 51,420 | | | 12,82 | | Oct. 27 | | | 21,816 | | | 11,76 |
| | Dec. 66 | | | 51,369 | | | 12,25 | | Dec. 66 | | | 21,851 | | | 12,43 |
| 1758 | Jan. 0 | 5 | 2 | 54,261 | — 8 | 30 | 7,53 | 1768 | Jan. 1 | 5 | 3 | 24,716 | — 8 | 29 | 7,33 |
| | Apr. 10 | | | 54,215 | | | 6,92 | | Apr. 10 | | | 24,745 | | | 8,02 |
| | Jul. 19 | | | 54,177 | | | 6,27 | | Jul. 19 | | | 24,767 | | | 8,75 |
| | Oct. 27 | | | 54,147 | | | 5,58 | | Oct. 27 | | | 24,781 | | | 9,51 |
| | Dec. 66 | | | 54,125 | | | 4,85 | | Dec. 66 | | | 24,787 | | | 10,29 |
| 1759 | Jan. 0 | 5 | 2 | 57,007 | — 8 | 30 | 0,18 | 1769 | Jan. 0 | 5 | 3 | 27,662 | — 8 | 29 | 5,15 |
| | Apr. 10 | | | 56,990 | | 29 | 59,45 | | Apr. 10 | | | 27,663 | | | 5,95 |
| | Jul. 19 | | | 56,981 | | | 58,69 | | Jul. 19 | | | 27,655 | | | 6,76 |
| | Oct. 27 | | | 56,980 | | | 58,88 | | Oct. 27 | | | 27,639 | | | 7,58 |
| | Dec. 66 | | | 56,988 | | | 57,04 | | Dec. 66 | | | 27,615 | | | 8,40 |

## Tabulae X. Sect. I. β *Orionis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,274 | + 1,2 | − 2,97 | −15,9 | +1 | +1 |
| 10 | +1,264 | − 3,1 | − 4,49 | −14,4 | +2 | +1 |
| 20 | +1,213 | − 7,1 | − 5,84 | −12,4 | +2 | +1 |
| 30 | +1,123 | −10,7 | − 6,97 | −10,2 | +2 | 0 |
| Febr. 9 | +0,999 | −13,8 | − 7,37 | − 7,8 | +3 | 0 |
| 19 | +0,848 | −16,1 | − 8,53 | − 5,4 | +3 | 0 |
| Mart. 1 | +0,677 | −17,6 | − 8,94 | − 2,9 | +3 | 0 |
| 11 | +0,497 | −18,0 | − 9,10 | − 0,4 | +3 | 0 |
| 21 | +0,317 | −17,5 | − 9,01 | + 2,2 | +3 | −1 |
| 31 | +0,148 | −16,0 | − 8,67 | + 4,6 | +3 | −1 |
| Apr. 10 | −0,002 | −13,6 | − 8,09 | + 7,1 | +2 | −1 |
| 20 | −0,123 | −10,5 | − 7,26 | + 9,4 | +2 | −1 |
| 30 | −0,211 | − 6,8 | − 6,21 | +11,7 | +2 | −1 |
| Maj. 10 | −0,258 | − 2,6 | − 4,93 | +13,8 | +1 | −2 |
| 20 | −0,262 | + 1,8 | − 3,46 | +15,6 | +1 | −2 |
| 30 | −0,223 | + 6,1 | − 1,81 | +17,2 | +1 | −2 |
| Jun. 9 | −0,141 | +10,3 | − 0,03 | +18,5 | 0 | −2 |
| 19 | −0,017 | +14,3 | + 1,88 | +19,2 | 0 | −3 |
| 29 | +0,144 | +17,8 | + 3,81 | +19,4 | −1 | −3 |
| Jul. 9 | +0,339 | +20,9 | + 5,76 | +19,3 | −1 | −3 |
| 19 | +0,562 | +23,5 | + 7,66 | +18,4 | −1 | −3 |
| 29 | +0,809 | +25,6 | + 9,44 | +17,0 | −2 | −3 |
| Aug. 8 | +1,073 | +27,1 | +11,05 | +15,0 | −2 | −3 |
| 18 | +1,350 | +28,0 | +12,43 | +12,4 | −2 | −3 |
| 28 | +1,633 | +28,5 | +13,52 | + 9,3 | −2 | −3 |
| Sept. 7 | +1,919 | +28,6 | +14,29 | + 5,9 | −2 | −3 |
| 17 | +2,205 | +28,3 | +14,70 | + 2,3 | −2 | −3 |
| 27 | +2,484 | +27,5 | +14,74 | − 1,5 | −2 | −3 |
| Oct. 7 | +2,755 | +26,5 | +14,41 | − 5,1 | −2 | −3 |
| 17 | +3,013 | +25,0 | +13,72 | − 8,6 | −2 | −3 |
| 27 | +3,254 | +23,1 | +12,70 | −11,6 | −1 | −3 |
| Nov. 6 | +3,475 | +20,9 | +11,40 | −14,1 | −1 | −3 |
| 16 | +3,672 | +18,3 | + 9,88 | −16,0 | −1 | −3 |
| 26 | +3,841 | +15,2 | + 8,21 | −17,2 | 0 | −3 |
| Dec. 6 | +3,976 | +11,7 | + 6,45 | −17,7 | 0 | −3 |
| 16 | +4,075 | + 7,9 | + 4,68 | −17,5 | +1 | −3 |
| 26 | +4,134 | + 3,8 | + 2,96 | −16,7 | +1 | −3 |
| 36 | +4,151 | − 0,4 | + 1,35 | −15,4 | +2 | −3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 5 2 32,0629 | − 8 30 40,595 |
| 1751 | 2 34,9382 | 30 35,648 |
| 1752 | 2 37,8136 | 30 30,705 |
| 1753 | 2 40,6890 | 30 25,766 |
| 1754 | 2 43,5644 | 30 20,831 |
| 1755 | 2 46,4400 | 30 15,900 |
| 1756 | 2 49,3154 | 30 10,973 |
| 1757 | 2 52,1910 | 30 6,051 |
| 1758 | 2 55,0666 | 30 1,133 |
| 1759 | 2 57,9423 | 29 56,219 |
| 1760 | 3 0,8180 | 29 51,308 |
| 1761 | 3 3,6937 | 29 46,402 |
| 1762 | 3 6,5695 | 29 41,500 |
| 1763 | 3 9,4453 | 29 36,602 |
| 1764 | 3 12,3212 | 29 31,708 |
| 1765 | 3 15,1972 | 29 26,818 |
| 1766 | 3 18,0732 | 29 21,934 |
| 1767 | 3 20,9492 | 29 17,053 |
| 1768 | 3 23,8253 | 29 12,176 |
| 1769 | 3 26,7014 | 29 7,303 |
| 1770 | 3 29,5774 | 29 2,433 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 5 10 31,673 | +28 22 10,38 | 1760 | Jan. 1 | 5 11 6,982 | +28 22 47,09 |
| | Apr. 10 | 31,698 | 9,60 | | Apr. 10 | 6,990 | 47,91 |
| | Jul. 19 | 31,712 | 8,80 | | Jul. 19 | 7,009 | 48,72 |
| | Oct. 27 | 31,715 | 7,99 | | Oct. 27 | 7,038 | 49,53 |
| | Dec. 66 | 31,708 | 7,17 | | Dec. 66 | 7,077 | 50,32 |
| 1751 | Jan. 0 | 5 10 35,491 | +28 22 11,54 | 1761 | Jan. 0 | 5 11 10,843 | +28 22 54,09 |
| | Apr. 10 | 35,476 | 10,71 | | Apr. 10 | 10,889 | 54,87 |
| | Jul. 19 | 35,451 | 9,90 | | Jul. 19 | 10,943 | 55,62 |
| | Oct. 27 | 35,415 | 9,09 | | Oct. 27 | 11,007 | 56,34 |
| | Dec. 66 | 35,369 | 8,30 | | Dec. 66 | 11,078 | 57,02 |
| 1752 | Jan. 1 | 5 10 39,164 | +28 22 12,65 | 1762 | Jan. 0 | 5 11 14,833 | +28 23 0,83 |
| | Apr. 10 | 39,111 | 11,87 | | Apr. 10 | 14,910 | 1,48 |
| | Jul. 19 | 39,049 | 11,13 | | Jul. 19 | 14,994 | 2,09 |
| | Oct. 27 | 38,978 | 10,43 | | Oct. 27 | 15,084 | 2,64 |
| | Dec. 66 | 38,897 | 9,76 | | Dec. 66 | 15,181 | 3,14 |
| 1753 | Jan. 0 | 5 10 42,704 | +28 22 14,05 | 1763 | Jan. 0 | 5 11 18,928 | +28 23 7,00 |
| | Apr. 10 | 42,618 | 13,42 | | Apr. 10 | 19,028 | 7,46 |
| | Jul. 19 | 42,525 | 12,84 | | Jul. 19 | 19,132 | 7,86 |
| | Oct. 27 | 42,226 | 12,32 | | Oct. 27 | 19,240 | 8,19 |
| | Dec. 66 | 42,320 | 11,85 | | Dec. 66 | 19,351 | 8,46 |
| 1754 | Jan. 0 | 5 10 46,135 | +28 22 16,07 | 1764 | Jan. 1 | 5 11 23,094 | +28 23 12,40 |
| | Apr. 10 | 46,026 | 15,65 | | Apr. 10 | 23,206 | 12,61 |
| | Jul. 19 | 45,914 | 15,31 | | Jul. 19 | 23,319 | 12,76 |
| | Oct. 27 | 45,798 | 15,03 | | Oct. 27 | 23,432 | 12,84 |
| | Dec. 66 | 45,680 | 14,83 | | Dec. 66 | 23,545 | 12,85 |
| 1755 | Jan. 0 | 5 10 49,499 | +28 22 18,96 | 1765 | Jan. 0 | 5 11 27,288 | +28 23 16,86 |
| | Apr. 10 | 49,380 | 18,81 | | Apr. 10 | 27,401 | 16,82 |
| | Jul. 19 | 49,261 | 18,74 | | Jul. 19 | 27,511 | 16,71 |
| | Oct. 27 | 49,143 | 18,75 | | Oct. 27 | 27,618 | 16,52 |
| | Dec. 66 | 49,026 | 18,83 | | Dec. 66 | 27,722 | 16,26 |
| 1756 | Jan. 1 | 5 10 52,845 | +28 22 22,85 | 1766 | Jan. 0 | 5 11 31,468 | +28 23 20,36 |
| | Apr. 10 | 52,730 | 22,99 | | Apr. 10 | 31,569 | 20,06 |
| | Jul. 19 | 52,619 | 23,20 | | Jul. 19 | 31,664 | 19,69 |
| | Oct. 27 | 52,513 | 23,49 | | Oct. 27 | 31,754 | 19,26 |
| | Dec. 66 | 52,411 | 23,85 | | Dec. 66 | 31,837 | 18,76 |
| 1757 | Jan. 0 | 5 10 56,224 | +28 22 27,77 | 1767 | Jan. 0 | 5 11 35,590 | +28 23 22,94 |
| | Apr. 10 | 56,127 | 28,18 | | Apr. 10 | 35,670 | 22,40 |
| | Jul. 19 | 56,038 | 28,65 | | Jul. 19 | 35,740 | 21,82 |
| | Oct. 27 | 55,956 | 29,18 | | Oct. 27 | 35,802 | 21,18 |
| | Dec. 66 | 55,882 | 29,77 | | Dec. 66 | 35,855 | 20,50 |
| 1758 | Jan. 0 | 5 10 59,686 | +28 22 33,62 | 1768 | Jan. 1 | 5 11 39,619 | +28 23 24,73 |
| | Apr. 10 | 59,618 | 34,25 | | Apr. 10 | 39,666 | 24,02 |
| | Jul. 19 | 59,560 | 34,92 | | Jul. 19 | 39,703 | 23,28 |
| | Oct. 27 | 59,512 | 35,62 | | Oct. 27 | 39,730 | 22,51 |
| | Dec. 66 | 59,473 | 36,37 | | Dec. 66 | 39,746 | 21,72 |
| 1759 | Jan. 0 | 5 11 3,265 | +28 22 40,16 | 1769 | Jan. 0 | 5 11 43,523 | +28 23 25,98 |
| | Apr. 10 | 3,234 | 40,93 | | Apr. 10 | 43,532 | 25,17 |
| | Jul. 19 | 3,213 | 41,71 | | Jul. 19 | 43,531 | 24,36 |
| | Oct. 27 | 3,203 | 42,51 | | Oct. 27 | 43,519 | 23,54 |
| | Dec. 66 | 3,204 | 43,33 | | Dec. 66 | 43,496 | 22,71 |

## Tabulae X. Sect. I. *β Tauri.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,462 | + 4,0 | + 1,76 | + 4,2 | +1 | −2 | 1750 | 5 10 30,4504 | +28 22 7,317 |
| 10 | +1,477 | − 1,0 | + 2,17 | + 4,0 | +2 | −2 | 1751 | 10 34,2295 | 22 11,405 |
| 20 | +1,443 | − 5,7 | + 2,55 | + 3,6 | +3 | −2 | 1752 | 10 38,0087 | 22 15,487 |
| 30 | +1,363 | −10,2 | + 2,88 | + 2,9 | +3 | −2 | 1753 | 10 41,7880 | 22 19,564 |
| Febr. 9 | +1,240 | −13,9 | + 3,13 | + 2,0 | +4 | −2 | 1754 | 10 45,5673 | 22 23,635 |
| | | | | | | | 1755 | 10 49,3467 | 22 27,701 |
| 19 | +1,085 | −16,8 | + 3,27 | + 0,9 | +4 | −1 | 1756 | 10 53,1262 | 22 31,762 |
| Mart. 1 | +0,905 | −18,7 | + 3,30 | − 0,4 | +4 | −1 | 1757 | 10 56,9058 | 22 35,817 |
| 11 | +0,712 | −19,4 | + 3,20 | − 1,6 | +4 | −1 | 1758 | 11 0,6855 | 22 39,867 |
| 21 | +0,518 | −18,9 | + 2,98 | − 2,8 | +4 | 0 | 1759 | 11 4,4653 | 22 43,911 |
| 31 | +0,335 | −17,2 | + 2,64 | − 3,8 | +4 | 0 | 1760 | 11 8,2452 | 22 47,949 |
| | | | | | | | 1761 | 11 12,0252 | 22 51,983 |
| Apr. 10 | +0,175 | −14,5 | + 2,22 | − 4,5 | +4 | 0 | 1762 | 11 15,8052 | 22 56,011 |
| 20 | +0,046 | −10,9 | + 1,74 | − 5,0 | +3 | +1 | 1763 | 11 19,5853 | 23 0,034 |
| 30 | −0,043 | − 6,7 | + 1,23 | − 5,1 | +3 | +1 | 1764 | 11 23,3655 | 23 4,051 |
| Maj. 10 | −0,087 | − 2,0 | + 0,72 | − 4,9 | +2 | +1 | 1765 | 11 27,1459 | 23 8,063 |
| 20 | −0,082 | + 3,1 | + 0,25 | − 4,4 | +2 | +1 | 1766 | 11 30,9263 | 23 12,070 |
| | | | | | | | 1767 | 11 34,7068 | 23 16,071 |
| 30 | −0,026 | + 8,0 | − 0,15 | − 3,6 | +1 | +1 | 1768 | 11 38,4874 | 23 20,067 |
| Jun. 9 | +0,078 | +12,8 | − 0,46 | − 2,6 | 0 | 0 | 1769 | 11 42,2681 | 23 24,057 |
| 19 | +0,229 | +17,2 | − 0,66 | − 1,5 | 0 | 0 | 1770 | 11 46,0488 | 23 28,041 |
| 29 | +0,422 | +21,2 | − 0,75 | − 0,3 | −1 | 0 | | | |
| Jul. 9 | +0,652 | +24,6 | − 0,71 | + 0,9 | −1 | −1 | | | |
| 19 | +0,913 | +27,4 | − 0,57 | + 1,9 | −2 | −1 | | | |
| 29 | +1,200 | +29,7 | − 0,33 | + 2,8 | −2 | −2 | | | |
| Aug. 8 | +1,506 | +31,3 | − 0,01 | + 3,6 | −3 | −2 | | | |
| 18 | +1,825 | +32,3 | + 0,38 | + 4,1 | −3 | −3 | | | |
| 28 | +2,152 | +33,0 | + 0,80 | + 4,3 | −3 | −3 | | | |
| Sept. 7 | +2,484 | +33,1 | + 1,24 | + 4,4 | −3 | −4 | | | |
| 17 | +2,814 | +32,8 | + 1,67 | + 4,3 | −3 | −4 | | | |
| 27 | +3,140 | +32,2 | + 2,09 | + 4,2 | −3 | −5 | | | |
| Oct. 7 | +3,458 | +31,3 | + 2,50 | + 4,0 | −3 | −6 | | | |
| 17 | +3,765 | +29,9 | + 2,88 | + 3,7 | −2 | −6 | | | |
| 27 | +4,056 | +28,1 | + 3,24 | + 3,6 | −2 | −6 | | | |
| Nov. 6 | +4,327 | +25,9 | + 3,59 | + 3,6 | −2 | −7 | | | |
| 16 | +4,574 | +23,2 | + 3,95 | + 3,7 | −1 | −7 | | | |
| 26 | +4,790 | +19,9 | + 4,32 | + 3,8 | 0 | −7 | | | |
| Dec. 6 | +4,971 | +16,1 | + 4,70 | + 4,0 | 0 | −8 | | | |
| 16 | +5,111 | +11,8 | + 5,11 | + 4,2 | +1 | −8 | | | |
| 26 | +5,206 | + 7,1 | + 5,53 | + 4,2 | +2 | −8 | | | |
| 36 | +5,253 | + 2,2 | + 5,95 | + 4,1 | +3 | −8 | | | |

Diei reducto addendum est:

ante } Jun. 9 { + 1
post } Jun. 9 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Orionis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 5 41 39,712 | + 7 20 12,58 | 1760 | Jan. 1 | 5 42 10,002 | + 7 20 26,16 |
| | Apr. 10 | 39,728 | 11,77 | | Apr. 10 | 10,014 | 26,99 |
| | Jul. 19 | 39,735 | 10,96 | | Jul. 19 | 10,034 | 27,80 |
| | Oct. 27 | 39,733 | 10,14 | | Oct. 27 | 10,064 | 28,59 |
| | Dec. 66 | 39,722 | 9,31 | | Dec. 66 | 10,102 | 29,37 |
| 1751 | Jan. 0 | 5 41 42,970 | + 7 20 11,18 | 1761 | Jan. 0 | 5 42 13,331 | + 7 20 30,67 |
| | Apr. 10 | 42,952 | 10,35 | | Apr. 10 | 13,375 | 31,42 |
| | Jul. 19 | 42,926 | 9,54 | | Jul. 19 | 13,426 | 32,14 |
| | Oct. 27 | 42,891 | 8,75 | | Oct. 27 | 13,484 | 32,82 |
| | Dec. 66 | 42,847 | 7,98 | | Dec. 66 | 13,549 | 33,47 |
| 1752 | Jan. 1 | 5 41 46,105 | + 7 20 9,83 | 1762 | Jan. 0 | 5 42 16,770 | + 7 20 34,80 |
| | Apr. 10 | 46,055 | 9,08 | | Apr. 10 | 16,840 | 35,41 |
| | Jul. 19 | 45,998 | 8,38 | | Jul. 19 | 16,915 | 35,96 |
| | Oct. 27 | 45,933 | 7,71 | | Oct. 27 | 16,995 | 36,45 |
| | Dec. 66 | 45,860 | 7,09 | | Dec. 66 | 17,080 | 36,89 |
| 1753 | Jan. 0 | 5 41 49,128 | + 7 20 8,88 | 1763 | Jan. 0 | 5 42 20,295 | + 7 20 38,29 |
| | Apr. 10 | 49,051 | 8,30 | | Apr. 10 | 20,383 | 38,69 |
| | Jul. 19 | 48,968 | 7,78 | | Jul. 19 | 20,474 | 39,02 |
| | Oct. 27 | 48,881 | 7,32 | | Oct. 27 | 20,568 | 39,27 |
| | Dec. 66 | 48,788 | 6,93 | | Dec. 66 | 20,664 | 39,46 |
| 1754 | Jan. 0 | 5 41 52,062 | + 7 20 8,64 | 1764 | Jan. 1 | 5 42 23,875 | + 7 20 40,94 |
| | Apr. 10 | 51,967 | 8,29 | | Apr. 10 | 23,972 | 41,09 |
| | Jul. 19 | 51,869 | 8,02 | | Jul. 19 | 24,069 | 41,16 |
| | Oct. 27 | 51,769 | 7,83 | | Oct. 27 | 24,165 | 41,15 |
| | Dec. 66 | 51,667 | 7,71 | | Dec. 66 | 24,262 | 41,07 |
| 1755 | Jan. 0 | 5 41 54,944 | + 7 20 9,32 | 1765 | Jan. 0 | 5 42 27,473 | + 7 20 42,64 |
| | Apr. 10 | 54,841 | 9,25 | | Apr. 10 | 27,569 | 42,51 |
| | Jul. 19 | 54,740 | 9,27 | | Jul. 19 | 27,662 | 42,32 |
| | Oct. 27 | 54,640 | 9,36 | | Oct. 27 | 27,752 | 42,05 |
| | Dec. 66 | 54,541 | 9,53 | | Dec. 66 | 27,839 | 41,71 |
| 1756 | Jan. 1 | 5 41 57,817 | + 7 20 11,04 | 1766 | Jan. 0 | 5 42 31,054 | + 7 20 43,36 |
| | Apr. 10 | 57,719 | 11,26 | | Apr. 10 | 31,139 | 42,98 |
| | Jul. 19 | 57,626 | 11,56 | | Jul. 19 | 31,218 | 42,53 |
| | Oct. 27 | 57,538 | 11,93 | | Oct. 27 | 31,291 | 42,03 |
| | Dec. 66 | 57,454 | 12,36 | | Dec. 66 | 31,359 | 41,47 |
| 1757 | Jan. 0 | 5 42 0,724 | + 7 20 13,78 | 1767 | Jan. 0 | 5 42 34,581 | + 7 20 43,18 |
| | Apr. 10 | 0,644 | 14,26 | | Apr. 10 | 34,645 | 42,58 |
| | Jul. 19 | 0,571 | 14,80 | | Jul. 19 | 34,701 | 41,94 |
| | Oct. 27 | 0,505 | 15,40 | | Oct. 27 | 34,750 | 41,25 |
| | Dec. 66 | 0,445 | 16,05 | | Dec. 66 | 34,792 | 40,52 |
| 1758 | Jan. 0 | 5 42 3,707 | + 7 20 17,39 | 1768 | Jan. 1 | 5 42 38,022 | + 7 20 42,29 |
| | Apr. 10 | 3,654 | 18,07 | | Apr. 10 | 38,058 | 41,54 |
| | Jul. 19 | 3,608 | 18,79 | | Jul. 19 | 38,085 | 40,76 |
| | Oct. 27 | 3,571 | 19,53 | | Oct. 27 | 38,103 | 39,96 |
| | Dec. 66 | 3,543 | 20,33 | | Dec. 66 | 38,113 | 39,14 |
| 1759 | Jan. 0 | 5 42 6,795 | + 7 20 21,63 | 1769 | Jan. 0 | 5 42 41,355 | + 7 20 40,93 |
| | Apr. 10 | 6,773 | 22,43 | | Apr. 10 | 41,358 | 40,10 |
| | Jul. 19 | 6,760 | 23,24 | | Jul. 19 | 41,352 | 39,28 |
| | Oct. 27 | 6,756 | 24,06 | | Oct. 27 | 41,337 | 38,46 |
| | Dec. 66 | 6,762 | 24,89 | | Dec. 66 | 41,313 | 37,64 |

## Tabulae X. Sect. I. *α Orionis.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,348 | + 6,0 | − 1,27 | − 8,7 | +1 | −1 | 1750 | 5 41 38,6516 | + 7 20 10,366 |
| 10 | +1,385 | + 1,5 | − 2,09 | − 7,7 | +1 | −1 | 1751 | 41 41,8946 | 20 11,962 |
| 20 | +1,377 | − 3,1 | − 2,80 | − 6,6 | +2 | −1 | 1752 | 41 45,1376 | 20 13,554 |
| 30 | +1,324 | − 7,3 | − 3,40 | − 5,4 | +2 | −1 | 1753 | 41 48,3807 | 20 15,141 |
| Febr. 9 | +1,231 | −11,0 | − 3,88 | − 4,3 | +3 | −1 | 1754 | 41 51,6238 | 20 16,723 |
| | | | | | | | 1755 | 41 54,8670 | 20 18,300 |
| 19 | +1,104 | −14,0 | − 4,25 | − 3,2 | +3 | −1 | 1756 | 41 58,1102 | 20 19,873 |
| Mart. 1 | +0,951 | −16,2 | − 4,51 | − 2,1 | +3 | −1 | 1757 | 42 1,3534 | 20 21,441 |
| 11 | +0,781 | −17,3 | − 4,66 | − 1,1 | +3 | −1 | 1758 | 42 4,5966 | 20 23,004 |
| 21 | +0,605 | −17,4 | − 4,72 | − 0,1 | +3 | −1 | 1759 | 42 7,8399 | 20 24,563 |
| 31 | +0,434 | −16,4 | − 4,68 | + 1,0 | +3 | −1 | 1760 | 42 11,0831 | 20 26,117 |
| | | | | | | | 1761 | 42 14,3264 | 20 27,666 |
| Apr. 10 | +0,277 | −14,5 | − 4,53 | + 2,0 | +3 | −1 | 1762 | 42 17,5697 | 20 29,210 |
| 20 | +0,144 | −11,8 | − 4,28 | + 3,1 | +3 | −1 | 1763 | 42 20,8131 | 20 30,749 |
| 30 | +0,042 | − 8,4 | − 3,91 | + 4,3 | +2 | −1 | 1764 | 42 24,0565 | 20 32,284 |
| Maj. 10 | −0,023 | − 4,5 | − 3,43 | + 5,4 | +2 | −1 | 1765 | 42 27,3000 | 20 33,815 |
| 20 | −0,048 | − 0,4 | − 2,83 | + 6,6 | +1 | −1 | 1766 | 42 30,5435 | 20 35,340 |
| | | | | | | | 1767 | 42 33,7870 | 20 36,861 |
| 30 | −0,030 | + 4,0 | − 2,11 | + 7,7 | +1 | −1 | 1768 | 42 37,0305 | 20 38,377 |
| Jun. 9 | +0,031 | + 8,2 | − 1,29 | + 8,8 | +1 | −1 | 1769 | 42 40,2741 | 20 39,888 |
| 19 | +0,132 | +12,1 | − 0,36 | + 9,7 | 0 | −2 | 1770 | 42 43,5176 | 20 41,395 |
| 29 | +0,272 | +15,7 | + 0,64 | +10,3 | 0 | −2 | | | |
| Jul. 9 | +0,446 | +19,0 | + 1,69 | +10,6 | −1 | −2 | | | |
| 19 | +0,651 | +21,7 | + 2,76 | +10,6 | −1 | −2 | | | |
| 29 | +0,880 | +24,0 | + 3,80 | +10,1 | −2 | −2 | | | |
| Aug. 8 | +1,131 | +25,9 | + 4,77 | + 9,2 | −2 | −3 | | | |
| 18 | +1,397 | +27,2 | + 5,64 | + 8,0 | −2 | −3 | | | |
| 28 | +1,675 | +28,2 | + 6,37 | + 6,4 | −2 | −3 | | | |
| Sept. 7 | +1,961 | +28,9 | + 6,91 | + 4,4 | −3 | −3 | | | |
| 17 | +2,252 | +29,1 | + 7,24 | + 2,2 | −3 | −4 | | | |
| 27 | +2,542 | +29,0 | + 7,35 | − 0,1 | −3 | −4 | | | |
| Oct. 7 | +2,831 | +28,6 | + 7,23 | − 2,4 | −3 | −4 | | | |
| 17 | +3,113 | +27,8 | + 6,88 | − 4,5 | −2 | −4 | | | |
| 27 | +3,386 | +26,7 | + 6,33 | − 6,4 | −2 | −4 | | | |
| Nov. 6 | +3,644 | +24,9 | + 5,60 | − 8,0 | −2 | −4 | | | |
| 16 | +3,884 | +22,8 | + 4,74 | − 9,1 | −1 | −5 | | | |
| 26 | +4,099 | +20,0 | + 3,79 | − 9,8 | −1 | −5 | | | |
| Dec. 6 | +4,284 | +16,8 | + 2,79 | −10,0 | 0 | −5 | | | |
| 16 | +4,434 | +13,0 | + 1,80 | − 9,8 | 0 | −5 | | | |
| 26 | +4,544 | + 8,8 | + 0,84 | − 9,2 | +1 | −5 | | | |
| 36 | +4,610 | + 4,3 | − 0,03 | − 8,3 | +1 | −5 | | | |

Diei reducto addendum est:

ante } Jun. 16 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *a Canis majoris.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 6 34 8,628 | —16 23 31,96 | 1760 | Jan. 1 | 6 34 33,296 | —16 24 13,46 |
| | Apr. 10 | 8,643 | 32,78 | | Apr. 10 | 33,304 | 12,66 |
| | Jul. 19 | 8,651 | 33,60 | | Jul. 19 | 33,319 | 11,89 |
| | Oct. 27 | 8,652 | 34,41 | | Oct. 27 | 33,341 | 11,14 |
| | Dec. 66 | 8,646 | 35,22 | | Dec. 66 | 33,371 | 10,42 |
| 1751 | Jan. 0 | 6 34 11,291 | —16 23 39,18 | 1761 | Jan. 0 | 6 34 36,004 | —16 24 14,92 |
| | Apr. 10 | 11,279 | 39,97 | | Apr. 10 | 36,038 | 14,23 |
| | Jul. 19 | 11,258 | 40,73 | | Jul. 19 | 36,079 | 13,59 |
| | Oct. 27 | 11,231 | 41,46 | | Oct. 27 | 36,125 | 13,00 |
| | Dec. 66 | 11,196 | 42,16 | | Dec. 66 | 36,178 | 12,45 |
| 1752 | Jan. 1 | 6 34 13,852 | —16 23 46,16 | 1762 | Jan. 0 | 6 34 38,804 | —16 24 16,89 |
| | Apr. 10 | 13,813 | 46,83 | | Apr. 10 | 38,860 | 16,38 |
| | Jul. 19 | 13,767 | 47,45 | | Jul. 19 | 38,921 | 15,94 |
| | Oct. 27 | 13,714 | 48,02 | | Oct. 27 | 38,986 | 15,56 |
| | Dec. 66 | 13,655 | 48,53 | | Dec. 66 | 39,056 | 15,25 |
| 1753 | Jan. 0 | 6 34 16,320 | —16 23 52,59 | 1763 | Jan. 0 | 6 34 41,676 | —16 24 19,61 |
| | Apr. 10 | 16,257 | 53,06 | | Apr. 10 | 41,748 | 19,34 |
| | Jul. 19 | 16,190 | 53,46 | | Jul. 19 | 41,823 | 19,14 |
| | Oct. 27 | 16,118 | 53,80 | | Oct. 27 | 41,900 | 19,02 |
| | Dec. 66 | 16,042 | 54,08 | | Dec. 66 | 41,979 | 18,97 |
| 1754 | Jan. 0 | 6 34 18,712 | —16 23 58,19 | 1764 | Jan. 1 | 6 34 44,596 | —16 24 23,24 |
| | Apr. 10 | 18,633 | 58,40 | | Apr. 10 | 44,676 | 23,24 |
| | Jul. 19 | 18,553 | 58,53 | | Jul. 19 | 44,756 | 23,31 |
| | Oct. 27 | 18,470 | 58,58 | | Oct. 27 | 44,836 | 23,45 |
| | Dec. 66 | 18,386 | 58,56 | | Dec. 66 | 44,917 | 23,66 |
| 1755 | Jan. 0 | 6 34 21,058 | —16 24 2,81 | 1765 | Jan. 0 | 6 34 47,534 | —16 24 27,85 |
| | Apr. 10 | 20,973 | 2,73 | | Apr. 10 | 47,614 | 28,11 |
| | Jul. 19 | 20,889 | 2,57 | | Jul. 19 | 47,691 | 28,44 |
| | Oct. 27 | 20,806 | 2,34 | | Oct. 27 | 47,766 | 28,83 |
| | Dec. 66 | 20,723 | 2,03 | | Dec. 66 | 47,839 | 29,28 |
| 1756 | Jan. 1 | 6 34 23,394 | —16 24 6,38 | 1766 | Jan. 0 | 6 34 50,459 | —16 24 33,40 |
| | Apr. 10 | 23,313 | 6,02 | | Apr. 10 | 50,530 | 33,89 |
| | Jul. 19 | 23,235 | 5,60 | | Jul. 19 | 50,596 | 34,44 |
| | Oct. 27 | 23,161 | 5,11 | | Oct. 27 | 50,659 | 35,04 |
| | Dec. 66 | 23,090 | 4,56 | | Dec. 66 | 50,717 | 35,70 |
| 1757 | Jan. 0 | 6 34 25,757 | —16 24 8,99 | 1767 | Jan. 0 | 6 34 53,342 | —16 24 39,75 |
| | Apr. 10 | 25,690 | 8,40 | | Apr. 10 | 53,396 | 40,43 |
| | Jul. 19 | 25,628 | 7,76 | | Jul. 19 | 53,444 | 41,15 |
| | Oct. 27 | 25,571 | 7,08 | | Oct. 27 | 53,487 | 41,90 |
| | Dec. 66 | 25,520 | 6,35 | | Dec. 66 | 53,523 | 42,68 |
| 1758 | Jan. 0 | 6 34 28,181 | —16 24 10,84 | 1768 | Jan. 1 | 6 34 56,155 | —16 24 46,70 |
| | Apr. 10 | 28,134 | 10,09 | | Apr. 10 | 56,187 | 47,49 |
| | Jul. 19 | 28,095 | 9,31 | | Jul. 19 | 56,211 | 48,30 |
| | Oct. 27 | 28,062 | 8,51 | | Oct. 27 | 56,228 | 49,12 |
| | Dec. 66 | 28,037 | 7,70 | | Dec. 66 | 56,238 | 49,94 |
| 1759 | Jan. 0 | 6 34 30,688 | —16 24 12,22 | 1769 | Jan. 0 | 6 34 58,879 | —16 24 53,96 |
| | Apr. 10 | 30,668 | 11,40 | | Apr. 10 | 58,884 | 54,78 |
| | Jul. 19 | 30,656 | 10,57 | | Jul. 19 | 58,881 | 55,59 |
| | Oct. 27 | 30,651 | 9,76 | | Oct. 27 | 58,871 | 56,38 |
| | Dec. 66 | 30,654 | 8,94 | | Dec. 66 | 58,853 | 57,15 |

## Tabulae X. Sect. I. *α Canis majoris.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,426 | + 8,9 | − 1,85 | −23,6 | 0 | +1 |
| 10 | +1,491 | + 4,1 | − 4,17 | −22,2 | +1 | +1 |
| 20 | +1,507 | − 0,8 | − 6,29 | −20,1 | +1 | +1 |
| 30 | +1,475 | − 5,5 | − 8,18 | −17,6 | +1 | 0 |
| Febr. 9 | +1,397 | − 9,8 | − 9,81 | −14,9 | +2 | 0 |
| 19 | +1,279 | − 8,5 | −11,15 | −11,9 | +2 | 0 |
| Mart. 1 | +1,128 | −16,3 | −12,18 | − 8,8 | +2 | 0 |
| 11 | +0,954 | −18,2 | −12,90 | − 5,6 | +2 | −1 |
| 21 | +0,765 | −19,1 | −13,29 | − 2,4 | +3 | −1 |
| 31 | +0,572 | −19,0 | −13,37 | + 0,8 | +2 | −1 |
| Apr. 10 | +0,385 | −18,0 | −13,14 | + 3,9 | +2 | −1 |
| 20 | +0,213 | −16,1 | −12,60 | + 6,8 | +2 | −2 |
| 30 | +0,064 | −13,4 | −11,78 | + 9,6 | +2 | −2 |
| Maj. 10 | −0,055 | −10,2 | −10,68 | +12,3 | +2 | −2 |
| 20 | −0,139 | − 6,6 | − 9,33 | +14,6 | +2 | −2 |
| 30 | −0,186 | − 2,8 | − 7,76 | +16,7 | +1 | −3 |
| Jun. 9 | −0,194 | + 1,2 | − 5,99 | +18,4 | +1 | −3 |
| 19 | −0,162 | + 5,2 | − 4,08 | +19,6 | 0 | −3 |
| 29 | −0,091 | + 8,9 | − 2,07 | +20,4 | 0 | −3 |
| Jul. 9 | +0,016 | +12,4 | 0,00 | +20,6 | 0 | −3 |
| 19 | +0,157 | +15,6 | + 2,04 | +20,0 | −1 | −3 |
| 29 | +0,329 | +18,6 | + 4,00 | +18,9 | −1 | −3 |
| Aug. 8 | +0,529 | +21,2 | + 5,81 | +17,0 | −1 | −3 |
| 18 | +0,752 | +23,4 | + 7,40 | +14,5 | −2 | −3 |
| 28 | +0,996 | +25,3 | + 8,71 | +11,4 | −2 | −3 |
| Sept. 7 | +1,257 | +26,8 | + 9,67 | + 7,7 | −2 | −3 |
| 17 | +1,531 | +27,9 | +10,24 | + 3,6 | −2 | −3 |
| 27 | +1,815 | +28,7 | +10,39 | − 0,8 | −2 | −3 |
| Oct. 7 | +2,104 | +29,1 | +10,08 | − 5,3 | −2 | −3 |
| 17 | +2,396 | +29,0 | + 9,34 | − 9,6 | −2 | −2 |
| 27 | +2,683 | +28,3 | + 8,17 | −13,7 | −2 | −2 |
| Nov. 6 | +2,962 | +27,2 | + 6,61 | −17,3 | −2 | −2 |
| 16 | +3,227 | +25,4 | + 4,72 | −20,2 | −2 | −2 |
| 26 | +3,470 | +22,9 | + 2,57 | −22,4 | −1 | −2 |
| Dec. 6 | +3,685 | +19,8 | + 0,24 | −23,8 | −1 | −2 |
| 16 | +3,865 | +16,0 | − 2,19 | −24,4 | −1 | −2 |
| 26 | +4,005 | +11,8 | − 4,63 | −24,1 | 0 | −2 |
| 36 | +4,100 | + 7,1 | − 7,00 | −23,3 | 0 | −3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 6 34 7,7542 | −16 23 32,668 |
| 1751 | 34 10,3980 | 23 36,887 |
| 1752 | 34 13,0417 | 23 41,109 |
| 1753 | 34 15,6855 | 23 45,335 |
| 1754 | 34 18,3293 | 23 49,565 |
| 1755 | 34 20,9730 | 23 53,799 |
| 1756 | 34 23,6168 | 23 58,037 |
| 1757 | 34 26,2606 | 24 2,278 |
| 1758 | 34 28,9044 | 24 6,524 |
| 1759 | 34 31,5482 | 24 10,773 |
| 1760 | 34 34,1920 | 24 15,025 |
| 1761 | 24 36,8358 | 24 19,282 |
| 1762 | 34 39,4796 | 24 23,542 |
| 1763 | 34 42,1234 | 24 27,807 |
| 1764 | 34 44,7672 | 24 32,075 |
| 1765 | 34 47,4111 | 24 36,347 |
| 1766 | 34 50,0549 | 24 40,622 |
| 1767 | 34 52,6988 | 24 44,902 |
| 1768 | 34 55,3426 | 24 49,185 |
| 1769 | 34 57,9865 | 24 53,472 |
| 1770 | 35 0,6303 | 24 57,763 |

Diei reducto addendum est:

ante } Jun. 29 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Geminorum.*

| | | | |
|---|---|---|---|
| 1750 | Jan. 0 | 7h 18′ 37″,565 | +32° 24′ 30″,87 |
| | Apr. 10 | 37,572 | 30,07 |
| | Jul. 19 | 37,569 | 29,28 |
| | Oct. 27 | 37,553 | 28,51 |
| | Dec. 66 | 37,528 | 27,75 |
| 1751 | Jan. 0 | 7 18 41,390 | +32 24 21,18 |
| | Apr. 10 | 41,357 | 20,44 |
| | Jul. 19 | 41,313 | 19,75 |
| | Oct. 27 | 41,260 | 19,11 |
| | Dec. 66 | 41,196 | 18,48 |
| 1752 | Jan. 1 | 7 18 45,070 | +32 24 11,85 |
| | Apr. 10 | 45,000 | 11,27 |
| | Jul. 19 | 44,921 | 10,75 |
| | Oct. 27 | 44,834 | 10,29 |
| | Dec. 66 | 44,738 | 9,89 |
| 1753 | Jan. 0 | 7 18 48,623 | +32 24 3,19 |
| | Apr. 10 | 48,523 | 2,83 |
| | Jul. 19 | 48,417 | 2,55 |
| | Oct. 27 | 48,306 | 2,34 |
| | Dec. 66 | 48,190 | 2,21 |
| 1754 | Jan. 0 | 7 18 52,081 | +32 23 55,41 |
| | Apr. 10 | 51,962 | 55,33 |
| | Jul. 19 | 51,842 | 55,32 |
| | Oct. 27 | 51,721 | 55,39 |
| | Dec. 66 | 51,598 | 55,54 |
| 1755 | Jan. 0 | 7 18 55,491 | +32 23 48,64 |
| | Apr. 10 | 55,363 | 48,84 |
| | Jul. 19 | 55,248 | 49,11 |
| | Oct. 27 | 55,130 | 49,45 |
| | Dec. 66 | 55,015 | 49,87 |
| 1756 | Jan. 1 | 7 18 58,905 | +32 23 42,87 |
| | Apr. 10 | 58,793 | 43,33 |
| | Jul. 19 | 58,687 | 43,84 |
| | Oct. 27 | 58,588 | 44,41 |
| | Dec. 66 | 58,495 | 45,04 |
| 1757 | Jan. 0 | 7 19 2,377 | +32 23 37,97 |
| | Apr. 10 | 2,289 | 38,63 |
| | Jul. 19 | 2,210 | 39,33 |
| | Oct. 27 | 2,140 | 40,05 |
| | Dec. 66 | 2,080 | 40,82 |
| 1758 | Jan. 0 | 7 19 5,950 | +32 23 33,70 |
| | Apr. 10 | 5,896 | 34,48 |
| | Jul. 19 | 5,853 | 35,28 |
| | Oct. 27 | 5,821 | 36,08 |
| | Dec. 66 | 5,800 | 36,89 |
| 1759 | Jan. 0 | 7 19 9,657 | +32 23 29,76 |
| | Apr. 10 | 9,643 | 30,57 |
| | Jul. 19 | 9,640 | 31,36 |
| | Oct. 27 | 9,649 | 32,14 |
| | Dec. 66 | 9,669 | 32,91 |
| 1760 | Jan. 1 | 7h 19′ 13″,511 | +32° 23′ 25″,79 |
| | Apr. 10 | 13,538 | 26,53 |
| | Jul. 19 | 13,575 | 27,24 |
| | Oct. 27 | 13,621 | 27,92 |
| | Dec. 66 | 13,678 | 28,56 |
| 1761 | Jan. 0 | 7 19 17,509 | +32 23 21,47 |
| | Apr. 10 | 17,572 | 22,07 |
| | Jul. 19 | 17,643 | 22,62 |
| | Oct. 27 | 17,722 | 23,11 |
| | Dec. 66 | 17,810 | 23,55 |
| 1762 | Jan. 0 | 7 19 21,631 | +32 23 16,54 |
| | Apr. 10 | 21,723 | 16,93 |
| | Jul. 19 | 21,820 | 17,26 |
| | Oct. 27 | 21,923 | 17,52 |
| | Dec. 66 | 22,031 | 17,72 |
| 1763 | Jan. 0 | 7 19 25,845 | +32 23 10,77 |
| | Apr. 10 | 25,955 | 10,92 |
| | Jul. 19 | 26,068 | 11,00 |
| | Oct. 27 | 26,183 | 11,00 |
| | Dec. 66 | 26,300 | 10,93 |
| 1764 | Jan. 1 | 7 19 30,111 | +32 23 4,07 |
| | Apr. 10 | 30,228 | 3,96 |
| | Jul. 19 | 30,344 | 3,78 |
| | Oct. 27 | 30,459 | 3,52 |
| | Dec. 66 | 30,573 | 3,20 |
| 1765 | Jan. 0 | 7 19 34,385 | +32 22 56,42 |
| | Apr. 10 | 34,497 | 56,06 |
| | Jul. 19 | 34,604 | 55,64 |
| | Oct. 27 | 34,707 | 55,16 |
| | Dec. 66 | 34,805 | 54,62 |
| 1766 | Jan. 0 | 7 19 38,623 | +32 22 47,90 |
| | Apr. 10 | 38,718 | 47,33 |
| | Jul. 19 | 38,805 | 46,71 |
| | Oct. 27 | 38,885 | 46,05 |
| | Dec. 66 | 38,957 | 45,35 |
| 1767 | Jan. 0 | 7 19 42,784 | +32 22 38,68 |
| | Apr. 10 | 42,850 | 37,95 |
| | Jul. 19 | 42,907 | 37,20 |
| | Oct. 27 | 42,955 | 36,43 |
| | Dec. 66 | 42,993 | 35,64 |
| 1768 | Jan. 1 | 7 19 46,832 | +32 22 28,99 |
| | Apr. 10 | 46,863 | 28,19 |
| | Jul. 19 | 46,883 | 27,39 |
| | Oct. 27 | 46,893 | 26,59 |
| | Dec. 66 | 46,892 | 25,80 |
| 1769 | Jan. 0 | 7 19 50,744 | +32 22 19,14 |
| | Apr. 10 | 50,735 | 18,36 |
| | Jul. 19 | 50,715 | 17,60 |
| | Oct. 27 | 50,685 | 16,86 |
| | Dec. 66 | 50,643 | 16,15 |

## Tabulae X. Sect. I. *a Geminorum.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,587 | +18,3 | − 3,76 | + 3,7 | −1 | −3 | 1750 | 7 18 36,2750 | +32 24 31,474 |
| 10 | +1,743 | +12,8 | − 3,31 | + 5,3 | −1 | −3 | 1751 | 18 40,1273 | 24 24,650 |
| 20 | +1,842 | + 7,0 | − 2,71 | + 6,6 | 0 | −3 | 1752 | 18 43,9794 | 24 17,820 |
| 30 | +1,882 | + 1,1 | − 2,00 | + 7,5 | +1 | −4 | 1753 | 18 47,8314 | 24 10,985 |
| Febr. 9 | +1,864 | − 4,5 | − 1,22 | + 7,9 | +1 | −4 | 1754 | 18 51,6833 | 24 4,145 |
| | | | | | | | 1755 | 18 55,5350 | 23 57,300 |
| 19 | +1,793 | − 9,5 | − 0,42 | + 7,8 | +2 | −4 | 1756 | 18 59,3866 | 23 50,449 |
| Mart. 1 | +1,675 | −13,7 | + 0,34 | + 7,3 | +3 | −3 | 1757 | 19 3,2381 | 23 43,593 |
| 11 | +1,520 | −16,8 | + 1,03 | + 6,4 | +3 | −3 | 1758 | 19 7,0895 | 23 36,732 |
| 21 | +1,339 | −18,3 | + 1,61 | + 5,1 | +3 | −3 | 1759 | 19 10,9408 | 23 29,866 |
| 31 | +1,144 | −19,6 | + 2,04 | + 3,5 | +4 | −2 | 1760 | 19 14,7920 | 23 22,994 |
| | | | | | | | 1761 | 19 18,6430 | 23 16,117 |
| Apr. 10 | +0,948 | −19,2 | + 2,31 | + 1,9 | +4 | −2 | 1762 | 19 22,4939 | 23 9,239 |
| 20 | +0,760 | −17,7 | + 2,41 | + 0,2 | +4 | −2 | 1763 | 19 26,3447 | 23 2,348 |
| 30 | +0,593 | −15,3 | + 2,34 | − 1,5 | +4 | −1 | 1764 | 19 30,1953 | 22 55,455 |
| Maj. 10 | +0,454 | −12,2 | + 2,12 | − 2,8 | +3 | −1 | 1765 | 19 34,0458 | 22 48,557 |
| 20 | +0,350 | − 8,4 | + 1,78 | − 4,2 | +3 | −1 | 1766 | 19 37,8962 | 22 41,654 |
| | | | | | | | 1767 | 19 41,7465 | 22 34,745 |
| 30 | +0,286 | − 4,3 | + 1,29 | − 5,3 | +3 | 0 | 1768 | 19 45,5966 | 22 27,831 |
| Jun. 9 | +0,265 | + 0,1 | + 0,73 | − 6,0 | +2 | 0 | 1769 | 19 49,4466 | 22 20,912 |
| 19 | +0,287 | + 4,4 | + 0,10 | − 6,6 | +1 | 0 | 1770 | 19 53,2965 | 22 13,988 |
| 29 | +0,352 | + 8,5 | − 0,58 | − 7,0 | +1 | 0 | | | |
| Jul. 9 | +0,457 | +12,5 | − 1,29 | − 7,2 | 0 | 0 | | | |
| 19 | +0,601 | +16,2 | − 2,01 | − 7,3 | −1 | 0 | | | |
| 29 | +0,780 | +19,5 | − 2,75 | − 7,4 | −1 | 0 | | | |
| Aug. 8 | +0,991 | +22,6 | − 3,48 | − 7,4 | −2 | 0 | | | |
| 18 | +1,231 | +25,3 | − 4,23 | − 7,5 | −3 | −1 | | | |
| 28 | +1,496 | +27,6 | − 4,97 | − 7,5 | −3 | −1 | | | |
| Sept. 7 | +1,783 | +29,8 | − 5,73 | − 7,6 | −4 | −1 | | | |
| 17 | +2,091 | +31,6 | − 6,48 | − 7,6 | −4 | −2 | | | |
| 27 | +2,414 | +33,1 | − 7,24 | − 7,5 | −5 | −2 | | | |
| Oct. 7 | +2,752 | +34,3 | − 7,98 | − 7,3 | −5 | −3 | | | |
| 17 | +3,100 | +35,1 | − 8,70 | − 6,9 | −5 | −4 | | | |
| 27 | +3,453 | +35,4 | − 9,36 | − 6,3 | −5 | −4 | | | |
| Nov. 6 | +3,807 | +35,1 | − 9,95 | − 5,4 | −5 | −5 | | | |
| 16 | +4,154 | +34,0 | −10,44 | − 4,2 | −5 | −6 | | | |
| 26 | +4,487 | +32,2 | −10,79 | − 2,8 | −5 | −6 | | | |
| Dec. 6 | +4,798 | +29,5 | −10,99 | − 1,1 | −4 | −7 | | | |
| 16 | +5,076 | +25,8 | −11,01 | + 0,8 | −4 | −7 | | | |
| 26 | +5,314 | +21,4 | −10,84 | + 2,6 | −3 | −8 | | | |
| 36 | +5,503 | +16,3 | −10,49 | + 4,2 | −2 | −8 | | | |

Diei reducto addendum est:

ante } Jul. 10 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Canis minoris.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 7 26 13,077 | + 5 50 40,74 | 1760 | Jan. 1 | 7 26 42,461 | + 5 49 19,92 |
| | Apr. 10 | 13,090 | 39,94 | | Apr. 10 | 42,475 | 20,66 |
| | Jul. 19 | 13,095 | 39,16 | | Jul. 19 | 42,498 | 21,36 |
| | Oct. 27 | 13,090 | 38,40 | | Oct. 27 | 42,530 | 22,02 |
| | Dec. 66 | 13,076 | 37,66 | | Dec. 66 | 42,570 | 22,64 |
| 1751 | Jan. 0 | 7 26 16,232 | + 5 50 29,46 | 1761 | Jan. 0 | 7 26 45,705 | + 5 49 13,95 |
| | Apr. 10 | 16,212 | 28,73 | | Apr. 10 | 45,750 | 14,54 |
| | Jul. 19 | 16,184 | 28,05 | | Jul. 19 | 45,803 | 15,07 |
| | Oct. 27 | 16,146 | 27,41 | | Oct. 27 | 45,862 | 15,54 |
| | Dec. 66 | 16,100 | 26,82 | | Dec. 66 | 45,929 | 15,96 |
| 1752 | Jan. 1 | 7 26 19,267 | + 5 50 18,57 | 1762 | Jan. 0 | 7 26 49,056 | + 5 49 7,34 |
| | Apr. 10 | 19,215 | 18,00 | | Apr. 10 | 49,127 | 7,71 |
| | Jul. 19 | 19,156 | 17,50 | | Jul. 19 | 49,202 | 8,02 |
| | Oct. 27 | 19,090 | 17,06 | | Oct. 27 | 49,283 | 8,26 |
| | Dec. 66 | 19,016 | 16,69 | | Dec. 66 | 49,368 | 8,44 |
| 1753 | Jan. 0 | 7 26 22,192 | + 5 50 8,35 | 1763 | Jan. 0 | 7 26 52,489 | + 5 48 59,89 |
| | Apr. 10 | 22,114 | 8,02 | | Apr. 10 | 52,577 | 49 0,02 |
| | Jul. 19 | 22,031 | 7,76 | | Jul. 19 | 52,667 | 0,08 |
| | Oct. 27 | 21,943 | 7,58 | | Oct. 27 | 52,760 | 0,06 |
| | Dec. 66 | 21,851 | 7,47 | | Dec. 66 | 52,856 | 48 59,98 |
| 1754 | Jan. 0 | 7 26 25,032 | + 5 49 59,04 | 1764 | Jan. 1 | 7 26 55,973 | + 5 48 51,51 |
| | Apr. 10 | 24,937 | 58,98 | | Apr. 10 | 56,069 | 51,38 |
| | Jul. 19 | 24,839 | 58,99 | | Jul. 19 | 56,165 | 51,18 |
| | Oct. 27 | 24,740 | 59,09 | | Oct. 27 | 56,260 | 50,91 |
| | Dec. 66 | 24,639 | 59,26 | | Dec. 66 | 56,355 | 50,58 |
| 1755 | Jan. 0 | 7 26 27,823 | + 5 49 50,73 | 1765 | Jan. 0 | 7 26 59,473 | + 5 48 42,20 |
| | Apr. 10 | 27,722 | 50,95 | | Apr. 10 | 59,567 | 41,82 |
| | Jul. 19 | 27,622 | 51,24 | | Jul. 19 | 59,658 | 41,38 |
| | Oct. 27 | 27,523 | 51,60 | | Oct. 27 | 59,746 | 40,89 |
| | Dec. 66 | 27,426 | 52,03 | | Dec. 66 | 59,831 | 40,34 |
| 1756 | Jan. 1 | 7 26 30,608 | + 5 49 43,41 | 1766 | Jan. 0 | 7 27 2,953 | + 5 48 32,02 |
| | Apr. 10 | 30,513 | 43,88 | | Apr. 10 | 3,035 | 31,43 |
| | Jul. 19 | 30,423 | 44,42 | | Jul. 19 | 3,111 | 30,81 |
| | Oct. 27 | 30,337 | 45,00 | | Oct. 27 | 3,182 | 30,14 |
| | Dec. 66 | 30,255 | 45,64 | | Dec. 66 | 3,247 | 29,43 |
| 1757 | Jan. 0 | 7 26 33,432 | + 5 49 36,95 | 1767 | Jan. 0 | 7 27 6,376 | + 5 48 21,16 |
| | Apr. 10 | 33,354 | 37,62 | | Apr. 10 | 6,437 | 20,43 |
| | Jul. 19 | 33,284 | 38,32 | | Jul. 19 | 6,490 | 19,68 |
| | Oct. 27 | 33,220 | 39,06 | | Oct. 27 | 6,536 | 18,91 |
| | Dec. 66 | 33,164 | 39,83 | | Dec. 66 | 6,575 | 18,11 |
| 1758 | Jan. 0 | 7 26 36,332 | + 5 49 31,09 | 1768 | Jan. 1 | 7 27 9,712 | + 5 48 9,87 |
| | Apr. 10 | 36,281 | 31,88 | | Apr. 10 | 9,745 | 9,07 |
| | Jul. 19 | 36,238 | 32,67 | | Jul. 19 | 9,769 | 8,27 |
| | Oct. 27 | 36,204 | 33,47 | | Oct. 27 | 9,785 | 7,48 |
| | Dec. 66 | 36,179 | 34,28 | | Dec. 66 | 9,792 | 6,69 |
| 1759 | Jan. 0 | 7 26 39,337 | + 5 49 25,53 | 1769 | Jan. 0 | 7 27 12,940 | + 5 47 58,44 |
| | Apr. 10 | 39,318 | 26,34 | | Apr. 10 | 12,941 | 57,66 |
| | Jul. 19 | 39,308 | 27,13 | | Jul. 19 | 12,932 | 56,91 |
| | Oct. 27 | 39,307 | 27,90 | | Oct. 27 | 12,915 | 56,19 |
| | Dec. 66 | 39,315 | 28,66 | | Dec. 66 | 12,888 | 55,49 |

## Tabulae X. Sect. I. α *Canis minoris.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,343 | +15,7 | − 2,35 | −13,1 | −1 | 0 | 1750 | 7 26 12,0252 | + 5 50 41,561 |
| 10 | +1,477 | +11,0 | − 3,59 | −11,7 | 0 | 0 | 1751 | 26 15,1754 | 50 33,117 |
| 20 | +1,563 | + 6,1 | − 4,68 | −10,0 | 0 | −1 | 1752 | 26 18,3256 | 50 24,669 |
| 30 | +1,599 | + 1,2 | − 5,59 | − 8,2 | +1 | −1 | 1753 | 26 21,4758 | 50 16,217 |
| Febr. 9 | +1,586 | − 3,7 | − 6,31 | − 6,4 | +1 | −1 | 1754 | 26 24,6259 | 50 7,761 |
| | | | | | | | 1755 | 26 27,7760 | 49 59,300 |
| 19 | +1,526 | − 7,9 | − 6,87 | − 4,7 | +2 | −1 | 1756 | 26 30,9260 | 49 50,836 |
| Mart. 1 | +1,428 | −11,5 | − 7,25 | − 3,1 | +2 | −2 | 1757 | 26 34,0760 | 49 42,367 |
| 11 | +1,297 | −14,3 | − 7,48 | − 1,7 | +2 | −2 | 1758 | 26 37,2259 | 49 33,894 |
| 21 | +1,143 | −16,0 | − 7,58 | − 0,4 | +3 | −2 | 1759 | 26 40,3758 | 49 25,417 |
| 31 | +0,978 | −16,7 | − 7,55 | + 0,9 | +3 | −2 | 1760 | 26 43,5257 | 49 16,935 |
| | | | | | | | 1761 | 26 46,6755 | 49 8,449 |
| Apr. 10 | +0,810 | −16,4 | − 7,41 | + 1,9 | +3 | −2 | 1762 | 26 49,8253 | 48 59,959 |
| 20 | +0,650 | −15,3 | − 7,18 | + 2,8 | +3 | −2 | 1763 | 26 52,9750 | 48 51,465 |
| 30 | +0,505 | −13,4 | − 6,85 | + 3,7 | +3 | −2 | 1764 | 26 56,1247 | 48 42,967 |
| Maj. 10 | +0,383 | −10,8 | − 6,44 | + 4,6 | +2 | −2 | 1765 | 26 59,2743 | 48 34,464 |
| 20 | +0,290 | − 7,7 | − 5,93 | + 5,4 | +2 | −2 | 1766 | 27 2,4239 | 48 25,957 |
| | | | | | | | 1767 | 27 5,5735 | 48 17,446 |
| 30 | +0,229 | − 4,4 | − 5,36 | + 6,1 | +2 | −2 | 1768 | 27 8,7230 | 48 8,931 |
| Jun. 9 | +0,203 | − 0,9 | − 4,72 | + 6,8 | +1 | −2 | 1769 | 27 11,8725 | 48 0,412 |
| 19 | +0,212 | + 2,7 | − 4,01 | + 7,3 | +1 | −2 | 1770 | 27 15,0219 | 47 51,888 |
| 29 | +0,257 | + 6,2 | − 3,26 | + 7,6 | +1 | −2 | | | |
| Jul. 9 | +0,335 | + 9,4 | − 2,49 | + 7,7 | 0 | −2 | | | |
| 19 | +0,445 | +12,5 | − 1,72 | + 7,5 | 0 | −2 | | | |
| 29 | +0,585 | +15,4 | − 0,99 | + 6,9 | −1 | −2 | | | |
| Aug. 8 | +0,753 | +18,0 | − 0,34 | + 6,0 | −1 | −2 | | | |
| 18 | +0,945 | +20,4 | + 0,20 | + 4,7 | −2 | −2 | | | |
| 28 | +1,160 | +22,5 | + 0,59 | + 3,0 | −2 | −2 | | | |
| Sept. 7 | +1,395 | +24,4 | + 0,80 | + 1,0 | −2 | −2 | | | |
| 17 | +1,648 | +26,2 | + 0,79 | − 1,3 | −3 | −2 | | | |
| 27 | +1,918 | +27,7 | + 0,54 | − 3,8 | −3 | −2 | | | |
| Oct. 7 | +2,201 | +28,8 | + 0,04 | − 6,2 | −3 | −2 | | | |
| 17 | +2,494 | +29,6 | − 0,70 | − 8,5 | −3 | −3 | | | |
| 27 | +2,793 | +30,0 | − 1,66 | −10,7 | −3 | −3 | | | |
| Nov. 6 | +3,094 | +29,9 | − 2,83 | −12,5 | −3 | −3 | | | |
| 16 | +3,390 | +29,1 | − 4,16 | −13,8 | −3 | −3 | | | |
| 26 | +3,676 | +27,6 | − 5,59 | −14,6 | −3 | −3 | | | |
| Dec. 6 | +3,942 | +25,3 | − 7,08 | −14,9 | −2 | −4 | | | |
| 16 | +4,181 | +22,2 | − 8,57 | −14,6 | −2 | −4 | | | |
| 26 | +4,385 | +18,3 | −10,00 | −13,8 | −2 | −4 | | | |
| 36 | +4,548 | +14,0 | −11,32 | −12,6 | −1 | −5 | | | |

Diei reducto addendum est:

ante } Jul. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Geminorum.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 7 30 0,171 | +28 36 18,64 | 1760 | Jan. 1 | 7 30 34,619 | +28 35 4,99 |
| | Apr. 10 | 0,178 | 17,85 | | Apr. 10 | 34,645 | 5,72 |
| | Jul. 19 | 0,174 | 17,07 | | Jul. 19 | 34,681 | 6,41 |
| | Oct. 27 | 0,160 | 16,32 | | Oct. 27 | 34,726 | 7,06 |
| | Dec. 66 | 0,135 | 15,58 | | Dec. 66 | 34,781 | 7,67 |
| 1751 | Jan. 0 | 7 30 3,838 | +28 36 8,08 | 1761 | Jan. 0 | 7 30 38,454 | +28 34 59,68 |
| | Apr. 10 | 3,806 | 7,36 | | Apr. 10 | 38,516 | 35 0,26 |
| | Jul. 19 | 3,764 | 6,69 | | Jul. 19 | 38,585 | 0,78 |
| | Oct. 27 | 3,712 | 6,06 | | Oct. 27 | 38,662 | 1,24 |
| | Dec. 66 | 3,650 | 5,47 | | Dec. 66 | 38,746 | 1,65 |
| 1752 | Jan. 1 | 7 30 7,366 | +28 35 57,91 | 1762 | Jan. 0 | 7 30 42,410 | +28 34 53,72 |
| | Apr. 10 | 7,298 | 57,36 | | Apr. 10 | 42,499 | 54,09 |
| | Jul. 19 | 7,221 | 56,87 | | Jul. 19 | 42,593 | 54,39 |
| | Oct. 27 | 7,136 | 56,44 | | Oct. 27 | 42,692 | 54,62 |
| | Dec. 66 | 7,043 | 56,07 | | Dec. 66 | 42,797 | 54,78 |
| 1753 | Jan. 0 | 7 30 10,769 | +28 35 48,43 | 1763 | Jan. 0 | 7 30 46,454 | +28 34 46,93 |
| | Apr. 10 | 10,672 | 48,11 | | Apr. 10 | 46,561 | 47,05 |
| | Jul. 19 | 10,570 | 47,87 | | Jul. 19 | 46,670 | 47,09 |
| | Oct. 27 | 10,463 | 47,69 | | Oct. 27 | 46,781 | 47,07 |
| | Dec. 66 | 10,350 | 47,59 | | Dec. 66 | 46,894 | 46,97 |
| 1754 | Jan. 0 | 7 30 14,082 | +28 35 39,86 | 1764 | Jan. 1 | 7 30 50,549 | +28 34 39,20 |
| | Apr. 10 | 13,967 | 39,81 | | Apr. 10 | 50,663 | 39,06 |
| | Jul. 19 | 13,851 | 39,83 | | Jul. 19 | 50,775 | 38,85 |
| | Oct. 27 | 13,733 | 39,94 | | Oct. 27 | 50,886 | 38,57 |
| | Dec. 66 | 13,614 | 40,12 | | Dec. 66 | 50,996 | 38,23 |
| 1755 | Jan. 0 | 7 30 17,348 | +28 35 32,28 | 1765 | Jan. 0 | 7 30 54,652 | +28 34 30,54 |
| | Apr. 10 | 17,229 | 32,51 | | Apr. 10 | 54,760 | 30,15 |
| | Jul. 19 | 17,113 | 32,81 | | Jul. 19 | 54,863 | 29,71 |
| | Oct. 27 | 16,999 | 33,18 | | Oct. 27 | 54,963 | 29,20 |
| | Dec. 66 | 16,888 | 33,62 | | Dec. 66 | 55,058 | 28,65 |
| 1756 | Jan. 1 | 7 30 20,618 | +28 35 25,69 | 1766 | Jan. 0 | 7 30 58,719 | +28 34 21,02 |
| | Apr. 10 | 20,510 | 26,17 | | Apr. 10 | 58,810 | 20,43 |
| | Jul. 19 | 20,407 | 26,71 | | Jul. 19 | 58,894 | 19,80 |
| | Oct. 27 | 20,311 | 27,30 | | Oct. 27 | 58,971 | 19,13 |
| | Dec. 66 | 20,221 | 27,94 | | Dec. 66 | 59,041 | 18,42 |
| 1757 | Jan. 0 | 7 30 23,944 | +28 35 19,94 | 1767 | Jan. 0 | 7 31 2,711 | +28 34 10,83 |
| | Apr. 10 | 23,859 | 20,61 | | Apr. 10 | 2,775 | 10,10 |
| | Jul. 19 | 23,783 | 21,32 | | Jul. 19 | 2,830 | 9,35 |
| | Oct. 27 | 23,716 | 22,06 | | Oct. 27 | 2,876 | 8,58 |
| | Dec. 66 | 23,657 | 22,83 | | Dec. 66 | 2,913 | 7,78 |
| 1758 | Jan. 0 | 7 30 27,369 | +28 35 14,79 | 1768 | Jan. 1 | 7 31 6,594 | +28 34 0,22 |
| | Apr. 10 | 27,316 | 15,58 | | Apr. 10 | 6,624 | 33 59,42 |
| | Jul. 19 | 27,274 | 16,37 | | Jul. 19 | 6,644 | 58,63 |
| | Oct. 27 | 27,244 | 17,17 | | Oct. 27 | 6,653 | 57,84 |
| | Dec. 66 | 27,224 | 17,97 | | Dec. 66 | 6,652 | 57,06 |
| 1759 | Jan. 0 | 7 30 30,923 | +28 35 9,92 | 1769 | Jan. 0 | 7 31 10,345 | +28 33 49,49 |
| | Apr. 10 | 30,909 | 10,72 | | Apr. 10 | 10,337 | 48,72 |
| | Jul. 19 | 30,907 | 11,51 | | Jul. 19 | 10,318 | 47,97 |
| | Oct. 27 | 30,915 | 12,28 | | Oct. 27 | 10,288 | 47,26 |
| | Dec. 66 | 30,934 | 13,03 | | Dec. 66 | 10,248 | 46,57 |

## Tabulae X. Sect. I. β *Geminorum.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,510 | +18,9 | − 4,06 | + 0,9 | −1 | −2 | 1750 | 7 29 58,9224 | +28 36 19,576 |
| 10 | +1,672 | +13,5 | − 3,88 | + 2,6 | −1 | −3 | 1751 | 30 2,6165 | 36 11,831 |
| 20 | +1,780 | + 8,0 | − 3,54 | + 4,1 | 0 | −3 | 1752 | 30 6,3105 | 36 4,081 |
| 30 | +1,831 | + 2,3 | − 3,06 | + 5,3 | +1 | −3 | 1753 | 30 10,0044 | 35 56,326 |
| Febr. 9 | +1,825 | − 3,3 | − 2,48 | + 6,1 | +1 | −3 | 1754 | 30 13,6982 | 35 48,566 |
| | | | | | | | 1755 | 30 17,3920 | 35 40,800 |
| 19 | +1,766 | − 8,2 | − 1,85 | + 6,4 | +2 | −3 | 1756 | 30 21,0854 | 35 33,030 |
| Mart. 1 | +1,662 | −12,3 | − 1,20 | + 6,4 | +2 | −3 | 1757 | 30 24,7788 | 35 25,255 |
| 11 | +1,520 | −15,6 | − 0,58 | + 5,8 | +3 | −3 | 1758 | 30 28,4721 | 35 17,475 |
| 21 | +1,351 | −17,7 | − 0,04 | + 5,0 | +3 | −3 | 1759 | 30 32,1653 | 35 9,690 |
| 31 | +1,167 | −18,6 | + 0,41 | + 3,9 | +3 | −2 | 1760 | 30 35,8584 | 35 1,901 |
| | | | | | | | 1761 | 30 39,5513 | 34 54,107 |
| Apr. 10 | +0,979 | −18,5 | + 0,74 | + 2,6 | +4 | −2 | 1762 | 30 43,2441 | 34 46,307 |
| 20 | +0,798 | −17,3 | + 0,93 | + 1,3 | +4 | −2 | 1763 | 30 46,9368 | 34 38,503 |
| 30 | +0,634 | −15,1 | + 0,99 | − 0,1 | +3 | −1 | 1764 | 30 50,6294 | 34 30,693 |
| Maj. 10 | +0,496 | −12,2 | + 0,92 | − 1,2 | +3 | −1 | 1765 | 30 54,3218 | 34 22,879 |
| 20 | +0,390 | − 8,8 | + 0,75 | − 2,4 | +3 | −1 | 1766 | 30 58,0141 | 34 15,060 |
| | | | | | | | 1767 | 31 1,7063 | 34 7,236 |
| 30 | +0,321 | − 5,0 | + 0,45 | − 3,3 | +2 | −1 | 1768 | 31 5,3984 | 33 59,407 |
| Jun. 9 | +0,291 | − 1,0 | + 0,09 | − 3,9 | +2 | 0 | 1769 | 31 9,0904 | 33 51,574 |
| 19 | +0,302 | + 3,1 | − 0,33 | − 4,5 | +1 | 0 | 1770 | 31 12,7822 | 33 43,735 |
| 29 | +0,353 | + 7,1 | − 0,81 | − 5,0 | +1 | 0 | | | |
| Jul. 9 | +0,443 | +10,9 | − 1,32 | − 5,3 | 0 | 0 | | | |
| 19 | +0,570 | +14,4 | − 1,86 | − 5,5 | 0 | 0 | | | |
| 29 | +0,730 | +17,6 | − 2,42 | − 5,8 | −1 | 0 | | | |
| Aug. 8 | +0,922 | +20,6 | − 3,01 | − 6,1 | −2 | 0 | | | |
| 18 | +1,141 | +23,2 | − 3,63 | − 6,4 | −2 | −1 | | | |
| 28 | +1,386 | +25,7 | − 4,29 | − 6,8 | −3 | −1 | | | |
| Sept. 7 | +1,654 | +27,8 | − 4,98 | − 7,2 | −3 | −1 | | | |
| 17 | +1,942 | +29,7 | − 5,72 | − 7,6 | −4 | −2 | | | |
| 27 | +2,248 | +31,4 | − 6,49 | − 7,9 | −4 | −2 | | | |
| Oct. 7 | +2,569 | +32,7 | − 7,29 | − 8,1 | −5 | −3 | | | |
| 17 | +2,902 | +33,7 | − 8,11 | − 8,2 | −5 | −3 | | | |
| 27 | +3,242 | +34,2 | − 8,92 | − 7,9 | −5 | −4 | | | |
| Nov. 6 | +3,585 | +34,1 | − 9,69 | − 7,4 | −5 | −4 | | | |
| 16 | +3,924 | +33,3 | −10,39 | − 6,5 | −5 | −5 | | | |
| 26 | +4,251 | +31,7 | −10,99 | − 5,3 | −4 | −5 | | | |
| Dec. 6 | +4,558 | +29,3 | −11,45 | − 3,8 | −4 | −6 | | | |
| 16 | +4,836 | +25,9 | −11,75 | − 2,1 | −4 | −7 | | | |
| 26 | +5,076 | +21,7 | −11,87 | − 0,3 | −3 | −7 | | | |
| 36 | +5,270 | +16,9 | −11,80 | + 1,5 | −2 | −7 | | | |

Diei reducto addendum est:

ante } Jul. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Hydrae.*

| | | | |
|---|---|---|---|
| 1750 | Jan. 0 | 9h 15′ 19″,013 | — 7° 35′ 23″,07 |
| | Apr. 10 | 19,033 | 23,68 |
| | Jul. 19 | 19,045 | 24,25 |
| | Oct. 27 | 19,048 | 24,78 |
| | Dec. 66 | 19,043 | 25,27 |
| 1751 | Jan. 0 | 9 15 21,994 | — 7 35 40,20 |
| | Apr. 10 | 21,983 | 40,66 |
| | Jul. 19 | 21,964 | 41,05 |
| | Oct. 27 | 21,936 | 41,40 |
| | Dec. 66 | 21,900 | 41,68 |
| 1752 | Jan. 1 | 9 15 24,862 | — 7 35 56,68 |
| | Apr. 10 | 24,821 | 56,92 |
| | Jul. 19 | 24,772 | 57,10 |
| | Oct. 27 | 24,617 | 57,21 |
| | Dec. 66 | 24,654 | 57,25 |
| 1753 | Jan. 0 | 9 15 27,624 | — 7 36 12,34 |
| | Apr. 10 | 27,557 | 12,34 |
| | Jul. 19 | 27,485 | 12,27 |
| | Oct. 27 | 27,407 | 12,13 |
| | Dec. 66 | 27,324 | 11,92 |
| 1754 | Jan. 0 | 9 15 30,301 | — 7 36 27,09 |
| | Apr. 10 | 30,216 | 26,84 |
| | Jul. 19 | 30,128 | 26,53 |
| | Oct. 27 | 30,038 | 26,16 |
| | Dec. 66 | 29,945 | 25,73 |
| 1755 | Jan. 0 | 9 15 32,925 | — 7 36 40,98 |
| | Apr. 10 | 32,831 | 40,51 |
| | Jul. 19 | 32,738 | 39,99 |
| | Oct. 27 | 32,646 | 39,43 |
| | Dec. 66 | 32,554 | 38,83 |
| 1756 | Jan. 1 | 9 15 35,533 | — 7 36 54,13 |
| | Apr. 10 | 35,443 | 53,50 |
| | Jul. 19 | 35,356 | 52,85 |
| | Oct. 27 | 35,373 | 52,17 |
| | Dec. 66 | 35,194 | 51,46 |
| 1757 | Jan. 0 | 9 15 38,168 | — 7 37 6,80 |
| | Apr. 10 | 38,092 | 6,08 |
| | Jul. 19 | 38,022 | 5,36 |
| | Oct. 27 | 37,957 | 4,64 |
| | Dec. 66 | 37,899 | 3,92 |
| 1758 | Jan. 0 | 9 15 40,866 | — 7 37 19,26 |
| | Apr. 10 | 40,813 | 18,55 |
| | Jul. 19 | 40,767 | 17,85 |
| | Oct. 27 | 40,729 | 17,17 |
| | Dec. 66 | 40,698 | 16,52 |
| 1759 | Jan. 0 | 9 15 43,656 | — 7 37 31,84 |
| | Apr. 10 | 43,631 | 31,20 |
| | Jul. 19 | 43,614 | 30,61 |
| | Oct. 27 | 43,606 | 30,05 |
| | Dec. 66 | 43,606 | 29,54 |
| 1760 | Jan. 1 | 9h 15′ 46″,554 | — 7° 37′ 44″,82 |
| | Apr. 10 | 46,560 | 44,33 |
| | Jul. 19 | 46,573 | 43,90 |
| | Oct. 27 | 46,595 | 43,53 |
| | Dec. 66 | 46,625 | 43,21 |
| 1761 | Jan. 0 | 9 15 49,563 | — 7 37 58,42 |
| | Apr. 10 | 49,598 | 58,14 |
| | Jul. 19 | 49,640 | 57,92 |
| | Oct. 27 | 49,689 | 57,76 |
| | Dec. 66 | 49,745 | 57,67 |
| 1762 | Jan. 0 | 9 15 52,674 | — 7 38 12,81 |
| | Apr. 10 | 52,734 | 12,76 |
| | Jul. 19 | 52,799 | 12,77 |
| | Oct. 27 | 52,869 | 12,84 |
| | Dec. 66 | 52,945 | 12,98 |
| 1763 | Jan. 0 | 9 15 55,867 | — 7 38 28,04 |
| | Apr. 10 | 55,945 | 28,22 |
| | Jul. 19 | 56,026 | 28,46 |
| | Oct. 27 | 56,110 | 28,75 |
| | Dec. 66 | 56,197 | 29,10 |
| 1764 | Jan. 1 | 9 15 59,116 | — 7 38 44,10 |
| | Apr. 10 | 59,204 | 44,49 |
| | Jul. 19 | 59,292 | 44,93 |
| | Oct. 27 | 59,381 | 45,41 |
| | Dec. 66 | 59,470 | 45,94 |
| 1765 | Jan. 0 | 9 16 2,388 | — 7 39 0,88 |
| | Apr. 10 | 2,477 | 1,44 |
| | Jul. 19 | 2,563 | 2,03 |
| | Oct. 27 | 2,647 | 2,65 |
| | Dec. 66 | 2,728 | 3,30 |
| 1766 | Jan. 0 | 9 16 5,650 | — 7 39 18,20 |
| | Apr. 10 | 5,729 | 18,87 |
| | Jul. 19 | 5,804 | 19,56 |
| | Oct. 27 | 5,874 | 20,25 |
| | Dec. 66 | 5,940 | 20,96 |
| 1767 | Jan. 0 | 9 16 8,867 | — 7 39 35,85 |
| | Apr. 10 | 8,929 | 36,56 |
| | Jul. 19 | 8,985 | 37,26 |
| | Oct. 27 | 9,034 | 37,95 |
| | Dec. 66 | 9,076 | 38,64 |
| 1768 | Jan. 1 | 9 16 12,011 | — 7 39 53,54 |
| | Apr. 10 | 12,049 | 54,21 |
| | Jul. 19 | 12,078 | 54,85 |
| | Oct. 27 | 12,100 | 55,46 |
| | Dec. 66 | 12,113 | 56,05 |
| 1769 | Jan. 0 | 9 16 15,058 | — 7 40 10,99 |
| | Apr. 10 | 15,066 | 11,55 |
| | Jul. 19 | 15,066 | 12,06 |
| | Oct. 27 | 15,057 | 12,52 |
| | Dec. 66 | 15,040 | 12,93 |

## Tabulae X. Sect. I. *α Hydrae.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,066 | +22,4 | — 0,09 | —22,4 | —2 | +2 | 1750 | 9 15 18,0576 | — 7 35 19,256 |
| 10 | +1,292 | +20,4 | — 2,30 | —21,5 | —1 | +1 | 1751 | 15 21,0061 | 35 34,339 |
| 20 | +1,474 | +15,8 | — 4,39 | —20,4 | —1 | +1 | 1752 | 15 23,9546 | 35 49,425 |
| 30 | +1,608 | +10,9 | — 6,32 | —18,3 | 0 | +1 | 1753 | 15 26,9031 | 36 4,514 |
| Febr. 9 | +1,692 | + 6,0 | — 8,05 | —16,1 | 0 | 0 | 1754 | 15 29,8516 | 36 19,606 |
| | | | | | | | 1755 | 15 32,8000 | 36 34,700 |
| 19 | +1,727 | + 1,2 | — 9,54 | —13,7 | +1 | 0 | 1756 | 15 35,7484 | 36 49,797 |
| Mart. 1 | +1,716 | — 3,2 | —10,79 | —11,2 | +1 | 0 | 1757 | 15 38,6968 | 37 4,896 |
| 11 | +1,663 | — 7,0 | —11,78 | — 8,7 | +1 | —1 | 1758 | 15 41,6452 | 37 19,999 |
| 21 | +1,577 | —10,0 | —12,52 | — 6,2 | +2 | —1 | 1759 | 15 44,5936 | 37 35,104 |
| 31 | +1,463 | —12,3 | —13,02 | — 3,9 | +2 | —1 | 1760 | 15 47,5420 | 37 50,212 |
| | | | | | | | 1761 | 15 50,4904 | 38 5,322 |
| Apr. 10 | +1,332 | —13,6 | —13,30 | — 1,7 | +2 | —2 | 1762 | 15 53,4387 | 38 20,436 |
| 20 | +1,191 | —14,2 | —13,35 | + 0,5 | +3 | —2 | 1763 | 15 56,3870 | 38 35,552 |
| 30 | +1,049 | —14,0 | —13,20 | + 2,5 | +3 | —2 | 1764 | 15 59,3353 | 38 50,671 |
| Maj. 10 | +0,912 | —13,2 | —12,85 | + 4,4 | +3 | —2 | 1765 | 16 2,2836 | 39 5,792 |
| 20 | +0,785 | —11,9 | —12,33 | + 6,1 | +3 | —2 | 1766 | 16 5,2319 | 39 20,916 |
| | | | | | | | 1767 | 16 8,1802 | 39 36,043 |
| 30 | +0,675 | —10,1 | —11,64 | + 7,6 | +3 | —2 | 1768 | 16 11,1285 | 39 51,173 |
| Jun. 9 | +0,584 | — 8,0 | —10,81 | + 9,0 | +2 | —3 | 1769 | 16 14,0767 | 40 6,305 |
| 19 | +0,515 | — 5,7 | — 9,85 | +10,2 | +2 | —3 | 1770 | 16 17,0249 | 40 21,441 |
| 29 | +0,470 | — 3,3 | — 8,78 | +11,1 | +2 | —3 | | | |
| Jul. 9 | +0,450 | — 0,7 | — 7,64 | +11,7 | +1 | —3 | | | |
| 19 | +0,456 | + 2,0 | — 6,45 | +11,8 | +1 | —3 | | | |
| 29 | +0,489 | + 4,6 | — 5,27 | +11,5 | +1 | —3 | | | |
| Aug. 8 | +0,548 | + 7,3 | — 4,14 | +10,9 | 0 | —2 | | | |
| 18 | +0,634 | +10,1 | — 3,10 | + 9,6 | 0 | —2 | | | |
| 28 | +0,749 | +12,9 | — 2,22 | + 7,8 | —1 | —2 | | | |
| Sept. 7 | +0,892 | +15,8 | — 1,54 | + 5,5 | —1 | —2 | | | |
| 17 | +1,064 | +18,7 | — 1,12 | + 2,8 | —2 | —2 | | | |
| 27 | +1,265 | +21,6 | — 0,99 | — 0,4 | —2 | —2 | | | |
| Oct. 7 | +1,495 | +24,3 | — 1,19 | — 3,8 | —2 | —1 | | | |
| 17 | +1,751 | +26,8 | — 1,75 | — 7,3 | —3 | —1 | | | |
| 27 | +2,030 | +28,9 | — 2,65 | —10,8 | —3 | —1 | | | |
| Nov. 6 | +2,329 | +30,6 | — 3,91 | —14,1 | —3 | —1 | | | |
| 16 | +2,641 | +31,5 | — 5,47 | —17,0 | —3 | —1 | | | |
| 26 | +2,958 | +31,6 | — 7,30 | —19,4 | —3 | —1 | | | |
| Dec. 6 | +3,273 | +30,9 | — 9,35 | —21,2 | —3 | —1 | | | |
| 16 | +3,575 | +29,1 | —11,54 | —22,2 | —3 | —1 | | | |
| 26 | +3,855 | +26,5 | —13,79 | —22,5 | —2 | —1 | | | |
| 36 | +4,104 | +23,0 | —16,04 | —22,2 | —2 | —1 | | | |

Diei reducto addendum est:

ante } Aug. 8 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Leonis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 9 55 2,976 | +13 10 34,85 | 1760 | Jan. 1 | 9 55 32,945 | +13 7 53,98 |
| | Apr. 10 | 2,980 | 34,34 | | Apr. 10 | 32,968 | 54,34 |
| | Jul. 19 | 2,976 | 33,88 | | Jul. 19 | 33,000 | 54,64 |
| | Oct. 27 | 2,962 | 33,47 | | Oct. 27 | 33,040 | 54,89 |
| | Dec. 66 | 2,940 | 33,10 | | Dec. 66 | 33,089 | 55,08 |
| 1751 | Jan. 0 | 9 55 6,161 | +13 10 16,07 | 1761 | Jan. 0 | 9 55 36,283 | +13 7 37,85 |
| | Apr. 10 | 6,132 | 15,73 | | Apr. 10 | 36,337 | 38,00 |
| | Jul. 19 | 6,094 | 15,46 | | Jul. 19 | 36,398 | 38,09 |
| | Oct. 27 | 6,048 | 15,25 | | Oct. 27 | 36,465 | 38,12 |
| | Dec. 66 | 5,994 | 15,10 | | Dec. 66 | 36,539 | 38,08 |
| 1752 | Jan. 1 | 9 55 9,225 | +13 9 57,99 | 1762 | Jan. 0 | 9 55 39,725 | +13 7 20,93 |
| | Apr. 10 | 9,165 | 57,88 | | Apr. 10 | 39,802 | 20,85 |
| | Jul. 19 | 9,098 | 57,84 | | Jul. 19 | 39,884 | 20,72 |
| | Oct. 27 | 9,024 | 57,86 | | Oct. 27 | 39,971 | 20,53 |
| | Dec. 66 | 8,944 | 57,94 | | Dec. 66 | 40,062 | 20,29 |
| 1753 | Jan. 0 | 9 55 12,184 | +13 9 40,75 | 1763 | Jan. 0 | 9 55 43,242 | +13 7 3,20 |
| | Apr. 10 | 12,098 | 40,88 | | Apr. 10 | 43,335 | 2,92 |
| | Jul. 19 | 12,010 | 41,07 | | Jul. 19 | 43,430 | 2,58 |
| | Oct. 27 | 11,917 | 41,32 | | Oct. 27 | 43,526 | 2,20 |
| | Dec. 66 | 11,819 | 41,63 | | Dec. 66 | 43,624 | 1,76 |
| 1754 | Jan. 0 | 9 55 15,064 | +13 9 24,36 | 1764 | Jan. 1 | 9 55 46,802 | +13 6 44,73 |
| | Apr. 10 | 14,965 | 24,71 | | Apr. 10 | 46,900 | 44,27 |
| | Jul. 19 | 14,864 | 25,12 | | Jul. 19 | 46,997 | 43,77 |
| | Oct. 27 | 14,762 | 25,57 | | Oct. 27 | 47,093 | 43,23 |
| | Dec. 66 | 14,659 | 26,08 | | Dec. 66 | 47,188 | 42,65 |
| 1755 | Jan. 0 | 9 55 17,906 | +13 9 8,74 | 1765 | Jan. 0 | 9 55 50,367 | +13 6 25,67 |
| | Apr. 10 | 17,803 | 9,28 | | Apr. 10 | 50,460 | 25,08 |
| | Jul. 19 | 17,703 | 9,85 | | Jul. 19 | 50,550 | 24,46 |
| | Oct. 27 | 17,605 | 10,45 | | Oct. 27 | 50,635 | 23,83 |
| | Dec. 66 | 17,509 | 11,09 | | Dec. 66 | 50,717 | 23,17 |
| 1756 | Jan. 1 | 9 55 20,753 | +13 8 53,71 | 1766 | Jan. 0 | 9 55 53,901 | +13 6 6,21 |
| | Apr. 10 | 20,659 | 54,36 | | Apr. 10 | 53,979 | 5,55 |
| | Jul. 19 | 20,571 | 55,03 | | Jul. 19 | 54,051 | 4,88 |
| | Oct. 27 | 20,589 | 55,71 | | Oct. 27 | 54,117 | 4,22 |
| | Dec. 66 | 20,412 | 56,40 | | Dec. 66 | 54,177 | 3,55 |
| 1757 | Jan. 0 | 9 55 23,649 | +13 8 39,01 | 1767 | Jan. 0 | 9 55 57,369 | +13 5 46,59 |
| | Apr. 10 | 23,576 | 39,70 | | Apr. 10 | 57,424 | 45,93 |
| | Jul. 19 | 23,511 | 40,39 | | Jul. 19 | 57,470 | 45,28 |
| | Oct. 27 | 23,454 | 41,06 | | Oct. 27 | 57,509 | 44,66 |
| | Dec. 66 | 23,404 | 41,73 | | Dec. 66 | 57,540 | 44,06 |
| 1758 | Jan. 0 | 9 55 26,632 | +13 8 24,34 | 1768 | Jan. 1 | 9 56 0,742 | +13 5 27,07 |
| | Apr. 10 | 26,588 | 24,99 | | Apr. 10 | 0,767 | 26,50 |
| | Jul. 19 | 26,553 | 25,61 | | Jul. 19 | 0,783 | 25,94 |
| | Oct. 27 | 26,528 | 26,20 | | Oct. 27 | 0,790 | 25,43 |
| | Dec. 66 | 26,510 | 26,76 | | Dec. 66 | 0,788 | 24,95 |
| 1759 | Jan. 0 | 9 55 29,727 | +13 8 9,41 | 1769 | Jan. 0 | 9 56 4,000 | +13 5 7,92 |
| | Apr. 10 | 29,716 | 9,95 | | Apr. 10 | 3,992 | 7,47 |
| | Jul. 19 | 29,715 | 10,44 | | Jul. 19 | 3,974 | 7,08 |
| | Oct. 27 | 29,723 | 10,88 | | Oct. 27 | 3,948 | 6,74 |
| | Dec. 66 | 29,741 | 11,27 | | Dec. 66 | 3,912 | 6,46 |

## Tabulae X. Sect. I. *α Leonis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,907 | +28,6 | — 5,25 | —14,6 | —3 | +1 |
| 10 | +1,177 | +25,1 | — 6,60 | —12,3 | —2 | 0 |
| 20 | +1,408 | +20,8 | — 7,71 | — 9,8 | —2 | 0 |
| 30 | +1,593 | +16,1 | — 8,56 | — 7,1 | —2 | —1 |
| Febr. 9 | +1,729 | +11,1 | — 9,13 | — 4,5 | —1 | —1 |
| 19 | +1,814 | + 6,1 | — 9,45 | — 2,0 | 0 | —1 |
| Mart. 1 | +1,850 | + 1,4 | — 9,52 | + 0,3 | 0 | —2 |
| 11 | +1,841 | — 2,9 | — 9,39 | + 2,2 | +1 | —2 |
| 21 | +1,792 | — 6,5 | — 9,09 | + 3,6 | +1 | —2 |
| 31 | +1,711 | — 9,3 | — 8,67 | + 4,7 | +2 | —2 |
| Apr. 10 | +1,606 | —11,3 | — 8,15 | + 5,4 | +2 | —3 |
| 20 | +1,485 | —12,5 | — 7,59 | + 5,8 | +2 | —3 |
| 30 | +1,356 | —13,0 | — 7,00 | + 5,8 | +3 | —3 |
| Maj. 10 | +1,226 | —12,7 | — 6,43 | + 5,6 | +3 | —2 |
| 20 | +1,102 | —11,9 | — 5,88 | + 5,3 | +3 | —2 |
| 30 | +0,989 | —10,6 | — 5,38 | + 4,8 | +3 | —2 |
| Jun. 9 | +0,890 | — 9,0 | — 4,93 | + 4,2 | +3 | —2 |
| 19 | +0,810 | — 7,0 | — 4,55 | + 3,4 | +2 | —2 |
| 29 | +0,750 | — 4,9 | — 4,25 | + 2,7 | +2 | —2 |
| Jul. 9 | +0,712 | — 2,8 | — 4,02 | + 1,8 | +2 | —1 |
| 19 | +0,695 | — 0,5 | — 3,89 | + 0,8 | +1 | —1 |
| 29 | +0,703 | + 2,1 | — 3,87 | — 0,4 | +1 | —1 |
| Aug. 8 | +0,736 | + 4,6 | — 3,96 | — 1,6 | 0 | —1 |
| 18 | +0,795 | + 7,3 | — 4,19 | — 3,1 | 0 | —1 |
| 28 | +0,881 | +10,0 | — 4,58 | — 4,8 | —1 | 0 |
| Sept. 7 | +0,995 | +12,9 | — 5,14 | — 6,6 | —1 | 0 |
| 17 | +1,139 | +16,0 | — 5,89 | — 8,5 | —2 | 0 |
| 27 | +1,314 | +19,1 | — 6,84 | —10,5 | —2 | 0 |
| Oct. 7 | +1,521 | +22,2 | — 7,99 | —12,5 | —3 | 0 |
| 17 | +1,758 | +25,2 | — 9,34 | —14,4 | —3 | 0 |
| 27 | +2,025 | +28,0 | —10,87 | —16,1 | —4 | 0 |
| Nov. 6 | +2,317 | +30,3 | —12,55 | —17,4 | —4 | 0 |
| 16 | +2,630 | +32,1 | —14,34 | —18,2 | —4 | 0 |
| 26 | +2,958 | +33,1 | —16,18 | —18,5 | —4 | 0 |
| Dec. 6 | +3,291 | +33,1 | —18,03 | —18,2 | —4 | —1 |
| 16 | +3,620 | +32,2 | —19,81 | —17,2 | —4 | —1 |
| 26 | +3,934 | +30,2 | —21,47 | —15,8 | —4 | —1 |
| 36 | +4,224 | +27,4 | —22,96 | —14,6 | —4 | —2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 9 55 1,8943 | +13 10 39,564 |
| 1751 | 55 5,1068 | 10 22,416 |
| 1752 | 55 8,3193 | 10 5,265 |
| 1753 | 55 11,5316 | 9 48,113 |
| 1754 | 55 14,7439 | 9 30,957 |
| 1755 | 55 17,9560 | 9 13,800 |
| 1756 | 55 21,1680 | 8 56,640 |
| 1657 | 55 24,3799 | 8 39,479 |
| 1758 | 55 27,5918 | 8 22,314 |
| 1759 | 55 30,8035 | 8 5,148 |
| 1760 | 55 34,0151 | 7 47,979 |
| 1761 | 55 37,2266 | 7 30,808 |
| 1762 | 55 40,4380 | 7 13,634 |
| 1763 | 55 43,6494 | 6 56,458 |
| 1764 | 55 46,8606 | 6 39,280 |
| 1765 | 55 50,0717 | 6 22,099 |
| 1766 | 55 53,2827 | 6 4,916 |
| 1767 | 55 56,4936 | 5 47,731 |
| 1768 | 55 59,7044 | 5 30,544 |
| 1769 | 56 2,9151 | 5 13,354 |
| 1770 | 56 6,1258 | 4 56,162 |

Diei reducto addendum est:

ante } Aug. 19 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Leonis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 11 36 13,409 | +15 57 58,66 | 1760 | Jan. 1 | 11 36 47,054 | +15 54 51,08 |
| | Apr. 10 | 18,408 | 58,48 | | Apr. 10 | 47,081 | 51,09 |
| | Jul. 19 | 18,399 | 58,35 | | Jul. 19 | 47,117 | 51,04 |
| | Oct. 27 | 18,381 | 58,28 | | Oct. 27 | 47,160 | 50,94 |
| | Dec. 66 | 18,354 | 58,27 | | Dec. 66 | 47,211 | 50,78 |
| 1751 | Jan. 0 | 11 36 21,437 | +15 57 38,21 | 1761 | Jan. 0 | 11 36 50,265 | +15 54 30,78 |
| | Apr. 10 | 21,403 | 38,24 | | Apr. 10 | 50,321 | 30,58 |
| | Jul. 19 | 21,362 | 38,32 | | Jul. 19 | 50,384 | 30,34 |
| | Oct. 27 | 21,313 | 38,46 | | Oct. 27 | 50,452 | 30,04 |
| | Dec. 66 | 21,257 | 38,66 | | Dec. 66 | 50,527 | 29,70 |
| 1752 | Jan. 1 | 11 36 24,349 | +15 57 18,53 | 1762 | Jan. 0 | 11 36 53,573 | +15 54 9,75 |
| | Apr. 10 | 24,287 | 18,76 | | Apr. 10 | 53,651 | 9,38 |
| | Jul. 19 | 24,218 | 19,05 | | Jul. 19 | 53,733 | 8,97 |
| | Oct. 27 | 24,143 | 19,39 | | Oct. 27 | 53,819 | 8,52 |
| | Dec. 66 | 24,062 | 19,78 | | Dec. 66 | 53,909 | 8,04 |
| 1753 | Jan. 0 | 11 36 27,162 | +15 56 59,58 | 1763 | Jan. 0 | 11 36 56,950 | +15 53 48,14 |
| | Apr. 10 | 27,077 | 57 0,00 | | Apr. 10 | 57,041 | 47,63 |
| | Jul. 19 | 26,989 | 0,46 | | Jul. 19 | 57,134 | 47,10 |
| | Oct. 27 | 26,896 | 0,96 | | Oct. 27 | 57,228 | 46,55 |
| | Dec. 66 | 26,800 | 1,50 | | Dec. 66 | 57,323 | 45,97 |
| 1754 | Jan. 0 | 11 36 29,905 | +15 56 41,26 | 1764 | Jan. 1 | 11 37 0,363 | +15 53 26,10 |
| | Apr. 10 | 29,807 | 41,81 | | Apr. 10 | 0,458 | 25,51 |
| | Jul. 19 | 29,709 | 42,39 | | Jul. 19 | 0,551 | 24,92 |
| | Oct. 27 | 29,610 | 42,99 | | Oct. 27 | 0,643 | 24,32 |
| | Dec. 66 | 29,511 | 43,61 | | Dec. 66 | 0,734 | 23,72 |
| 1755 | Jan. 0 | 11 36 32,616 | +15 56 23,34 | 1765 | Jan. 0 | 11 37 3,775 | +15 53 3,86 |
| | Apr. 10 | 32,517 | 23,97 | | Apr. 10 | 3,863 | 3,25 |
| | Jul. 19 | 32,421 | 24,60 | | Jul. 19 | 3,948 | 2,66 |
| | Oct. 27 | 32,328 | 25,23 | | Oct. 27 | 4,028 | 2,08 |
| | Dec. 66 | 32,237 | 25,86 | | Dec. 66 | 4,104 | 1,50 |
| 1756 | Jan. 1 | 11 36 35,339 | +15 56 5,59 | 1766 | Jan. 0 | 11 37 7,151 | +15 52 41,63 |
| | Apr. 10 | 35,251 | 6,22 | | Apr. 10 | 7,224 | 41,07 |
| | Jul. 19 | 35,168 | 6,82 | | Jul. 19 | 7,290 | 40,54 |
| | Oct. 27 | 35,091 | 7,40 | | Oct. 27 | 7,350 | 40,04 |
| | Dec. 66 | 35,020 | 7,97 | | Dec. 66 | 7,404 | 39,56 |
| 1757 | Jan. 0 | 11 36 38,115 | +15 55 47,72 | 1767 | Jan. 0 | 11 37 10,458 | +15 52 19,65 |
| | Apr. 10 | 38,049 | 48,27 | | Apr. 10 | 10,507 | 19,20 |
| | Jul. 19 | 37,990 | 48,77 | | Jul. 19 | 10,548 | 18,79 |
| | Oct. 27 | 37,939 | 49,24 | | Oct. 27 | 10,581 | 18,42 |
| | Dec. 66 | 37,895 | 49,67 | | Dec. 66 | 10,606 | 18,09 |
| 1758 | Jan. 0 | 11 36 40,980 | +15 55 29,47 | 1768 | Jan. 1 | 11 37 13,669 | +15 51 58,13 |
| | Apr. 10 | 40,943 | 29,87 | | Apr. 10 | 13,688 | 57,84 |
| | Jul. 19 | 40,914 | 30,22 | | Jul. 19 | 13,699 | 57,60 |
| | Oct. 27 | 40,894 | 30,53 | | Oct. 27 | 13,701 | 57,41 |
| | Dec. 66 | 40,882 | 30,78 | | Dec. 66 | 13,694 | 57,27 |
| 1759 | Jan. 0 | 11 36 43,957 | +15 55 10,64 | 1769 | Jan. 0 | 11 37 16,768 | +15 51 37,25 |
| | Apr. 10 | 43,952 | 10,85 | | Apr. 10 | 16,755 | 37,15 |
| | Jul. 19 | 43,956 | 11,01 | | Jul. 19 | 16,733 | 37,10 |
| | Oct. 27 | 43,968 | 11,11 | | Oct. 27 | 16,703 | 37,12 |
| | Dec. 66 | 43,990 | 11,16 | | Dec. 66 | 16,664 | 37,19 |

## Tabulae X. Sect. I. *β Leonis.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,372 | +33,2 | — 6,89 | —18,1 | —3 | +2 | 1750 | 11 36 17,3586 | +15 58 4,996 |
| 10 | +0,696 | +31,2 | — 8,58 | —15,5 | —3 | +1 | 1751 | 36 20,4310 | 57 44,938 |
| 20 | +0,996 | +28,4 | — 9,98 | —12,4 | —3 | +1 | 1752 | 36 23,5033 | 57 24,879 |
| 30 | +1,264 | +24,9 | —11,05 | — 9,1 | —3 | 0 | 1753 | 36 26,5756 | 57 4,820 |
| Febr. 9 | +1,493 | +20,7 | —11,79 | — 5,7 | —2 | 0 | 1754 | 36 29,6478 | 56 44,761 |
| | | | | | | | 1755 | 36 32,7200 | 56 24,701 |
| 19 | +1,677 | +16,2 | —12,18 | — 2,3 | —2 | —1 | 1756 | 36 35,7920 | 56 4,641 |
| Mart. 1 | +1,816 | +11,6 | —12,24 | + 0,9 | —1 | —1 | 1757 | 36 38,8640 | 55 44,581 |
| 11 | +1,909 | + 7,2 | —12,01 | + 3,6 | —1 | —1 | 1758 | 36 41,9359 | 55 24,520 |
| 21 | +1,959 | + 3,1 | —11,52 | + 5,9 | 0 | —2 | 1759 | 36 45,0077 | 55 4,459 |
| 31 | +1,971 | — 0,6 | —10,84 | + 7,6 | 0 | —2 | 1760 | 36 48,0794 | 54 44,396 |
| | | | | | | | 1761 | 36 51,1511 | 54 24,334 |
| Apr. 10 | +1,948 | — 3,7 | —10,01 | + 8,8 | +1 | —2 | 1762 | 36 54,2227 | 54 4,272 |
| 20 | +1,898 | — 6,1 | — 9,09 | + 9,4 | +1 | —2 | 1763 | 36 57,2942 | 53 44,209 |
| 30 | +1,826 | — 8,0 | — 8,13 | + 9,6 | +2 | —2 | 1764 | 37 0,3656 | 53 24,146 |
| Maj. 10 | +1,738 | — 9,3 | — 7,18 | + 9,3 | +2 | —2 | 1765 | 37 3,4369 | 53 4,083 |
| 20 | +1,640 | —10,1 | — 6,27 | + 8,7 | +2 | —2 | 1766 | 37 6,5082 | 52 44,019 |
| | | | | | | | 1767 | 37 9,5794 | 52 23,955 |
| 30 | +1,536 | —10,5 | — 5,44 | + 7,7 | +3 | —2 | 1768 | 37 12,6505 | 52 3,891 |
| Jun. 9 | +1,430 | —10,6 | — 4,73 | + 6,5 | +3 | —2 | 1769 | 37 15,7215 | 51 43,826 |
| 19 | +1,325 | —10,3 | — 4,14 | + 5,2 | +3 | —2 | 1770 | 37 18,7925 | 51 23,760 |
| 29 | +1,225 | — 9,7 | — 3,69 | + 3,8 | +3 | —2 | | | |
| Jul. 9 | +1,132 | — 8,8 | — 3,39 | + 2,1 | +3 | —1 | | | |
| 19 | +1,049 | — 7,8 | — 3,27 | + 0,4 | +2 | —1 | | | |
| 29 | +0,977 | — 6,4 | — 3,31 | — 1,4 | +2 | —1 | | | |
| Aug. 8 | +0,921 | — 4,7 | — 3,54 | — 3,3 | +2 | 0 | | | |
| 18 | +0,884 | — 2,7 | — 3,96 | — 5,2 | +1 | 0 | | | |
| 28 | +0,868 | — 0,3 | — 4,58 | — 7,3 | +1 | 0 | | | |
| Sept. 7 | +0,878 | + 2,5 | — 5,41 | — 9,4 | 0 | 0 | | | |
| 17 | +0,918 | + 5,7 | — 6,46 | —11,6 | 0 | +1 | | | |
| 27 | +0,992 | + 9,3 | — 7,73 | —13,8 | —1 | +1 | | | |
| Oct. 7 | +1,103 | +13,1 | — 9,22 | —16,0 | —1 | +1 | | | |
| 17 | +1,253 | +17,0 | —10,92 | —18,0 | —2 | +2 | | | |
| 27 | +1,443 | +21,0 | —12,82 | —19,8 | —2 | +2 | | | |
| Nov. 6 | +1,673 | +24,8 | —14,88 | —21,2 | —3 | +2 | | | |
| 16 | +1,939 | +28,2 | —17,05 | —22,1 | —3 | +2 | | | |
| 26 | +2,236 | +30,9 | —19,29 | —22,5 | —4 | +2 | | | |
| Dec. 6 | +2,557 | +32,9 | —21,54 | —22,2 | —4 | +2 | | | |
| 16 | +2,893 | +33,8 | —23,72 | —21,2 | —4 | +2 | | | |
| 26 | +3,233 | +33,7 | —25,77 | —19,5 | —4 | +2 | | | |
| 36 | +3,567 | +32,6 | —27,61 | —17,2 | —4 | +1 | | | |

Diei reducto addendum est:

ante / post } Sept. 16 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 11 37 41,410 | + 3 10 15,88 | 1760 | Jan. 1 | 11 38 10,620 | + 3 7 6,25 |
| | Apr. 10 | 41,422 | 15,71 | | Apr. 10 | 10,635 | 6,25 |
| | Jul. 19 | 41,425 | 15,59 | | Jul. 19 | 10,658 | 6,19 |
| | Oct. 27 | 41,419 | 15,53 | | Oct. 27 | 10,689 | 6,08 |
| | Dec. 66 | 41,405 | 15,52 | | Dec. 66 | 10,728 | 5,92 |
| 1751 | Jan. 0 | 11 37 44,536 | + 3 9 55,25 | 1761 | Jan. 0 | 11 38 13,839 | + 3 6 45,71 |
| | Apr. 10 | 44,516 | 55,28 | | Apr. 10 | 13,884 | 45,51 |
| | Jul. 19 | 44,487 | 55,37 | | Jul. 19 | 13,935 | 45,26 |
| | Oct. 27 | 44,450 | 55,51 | | Oct. 27 | 13,993 | 44,96 |
| | Dec. 66 | 44,405 | 55,71 | | Dec. 66 | 14,058 | 44,62 |
| 1752 | Jan. 1 | 11 37 47,546 | + 3 9 35,37 | 1762 | Jan. 0 | 11 38 17,160 | + 3 6 24,47 |
| | Apr. 10 | 47,495 | 35,61 | | Apr. 10 | 17,229 | 24,09 |
| | Jul. 19 | 47,438 | 35,90 | | Jul. 19 | 17,302 | 23,68 |
| | Oct. 27 | 47,373 | 36,24 | | Oct. 27 | 17,380 | 23,23 |
| | Dec. 66 | 47,301 | 36,64 | | Dec. 66 | 17,463 | 22,74 |
| 1753 | Jan. 0 | 11 37 50,451 | + 3 9 16,24 | 1763 | Jan. 0 | 11 38 20,560 | + 3 6 2,63 |
| | Apr. 10 | 50,375 | 16,66 | | Apr. 10 | 20,645 | 2,12 |
| | Jul. 19 | 50,295 | 17,12 | | Jul. 19 | 20,733 | 1,59 |
| | Oct. 27 | 50,210 | 17,62 | | Oct. 27 | 20,822 | 1,04 |
| | Dec. 66 | 50,120 | 18,16 | | Dec. 66 | 20,914 | 0,46 |
| 1754 | Jan. 0 | 11 37 53,275 | + 3 8 57,71 | 1764 | Jan. 1 | 11 38 24,008 | + 3 5 40,38 |
| | Apr. 10 | 53,183 | 58,27 | | Apr. 10 | 24,101 | 39,79 |
| | Jul. 19 | 53,089 | 58,85 | | Jul. 19 | 24,193 | 39,20 |
| | Oct. 27 | 52,993 | 59,46 | | Oct. 27 | 24,285 | 38,60 |
| | Dec. 66 | 52,896 | 9 0,08 | | Dec. 66 | 24,376 | 38,00 |
| 1755 | Jan. 0 | 11 37 56,054 | + 3 8 39,60 | 1765 | Jan. 0 | 11 38 27,470 | + 3 5 17,93 |
| | Apr. 10 | 55,956 | 40,23 | | Apr. 10 | 27,560 | 17,34 |
| | Jul. 19 | 55,860 | 40,86 | | Jul. 19 | 27,647 | 16,73 |
| | Oct. 27 | 55,765 | 41,49 | | Oct. 27 | 27,732 | 16,15 |
| | Dec. 66 | 55,672 | 42,12 | | Dec. 66 | 27,813 | 15,58 |
| 1756 | Jan. 1 | 11 37 58,827 | + 3 8 21,64 | 1766 | Jan. 0 | 11 38 30,911 | + 3 4 55,50 |
| | Apr. 10 | 58,736 | 22,26 | | Apr. 10 | 30,989 | 54,94 |
| | Jul. 19 | 58,650 | 22,86 | | Jul. 19 | 31,062 | 54,41 |
| | Oct. 27 | 58,568 | 23,44 | | Oct. 27 | 31,130 | 53,91 |
| | Dec. 66 | 58,490 | 24,01 | | Dec. 66 | 31,192 | 53,44 |
| 1757 | Jan. 0 | 11 38 1,640 | + 3 8 3,55 | 1767 | Jan. 0 | 11 38 34,297 | + 3 4 33,32 |
| | Apr. 10 | 1,565 | 4,09 | | Apr. 10 | 34,354 | 32,87 |
| | Jul. 19 | 1,496 | 4,60 | | Jul. 19 | 34,405 | 32,47 |
| | Oct. 27 | 1,437 | 5,06 | | Oct. 27 | 34,449 | 32,10 |
| | Dec. 66 | 1,385 | 5,49 | | Dec. 66 | 34,485 | 31,78 |
| 1758 | Jan. 0 | 11 38 4,527 | + 3 7 45,09 | 1768 | Jan. 1 | 11 38 37,598 | + 3 4 11,61 |
| | Apr. 10 | 4,479 | 45,48 | | Apr. 10 | 37,629 | 11,32 |
| | Jul. 19 | 4,439 | 45,83 | | Jul. 19 | 37,652 | 11,09 |
| | Oct. 27 | 4,407 | 46,12 | | Oct. 27 | 37,666 | 10,90 |
| | Dec. 66 | 4,384 | 46,37 | | Dec. 66 | 37,671 | 10,77 |
| 1759 | Jan. 0 | 11 38 7,516 | + 3 7 26,02 | 1769 | Jan. 0 | 11 38 40,795 | + 3 3 50,53 |
| | Apr. 10 | 7,499 | 26,23 | | Apr. 10 | 40,795 | 50,44 |
| | Jul. 19 | 7,490 | 26,39 | | Jul. 19 | 40,786 | 50,40 |
| | Oct. 27 | 7,490 | 26,48 | | Oct. 27 | 40,768 | 50,42 |
| | Dec. 66 | 7,499 | 26,52 | | Dec. 66 | 40,742 | 50,50 |

## Tabulae X. Sect. I. *β Virginis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,358 | +32,4 | — 2,64 | —20,8 | —3 | +2 |
| 10 | +0,675 | +30,5 | — 4,66 | —19,4 | —3 | +2 |
| 20 | +0,968 | +27,7 | — 6,51 | —17,5 | —3 | +2 |
| 30 | +1,229 | +24,2 | — 8,15 | —15,1 | —2 | +1 |
| Febr. 9 | +1,452 | +20,2 | — 9,55 | —12,5 | —2 | +1 |
| 19 | +1,632 | +15,9 | —10,64 | — 9,7 | —1 | +1 |
| Mart. 1 | +1,769 | +11,6 | —11,46 | — 6,9 | —1 | 0 |
| 11 | +1,863 | + 7,4 | —12,01 | — 4,2 | 0 | 0 |
| 21 | +1,916 | + 3,5 | —12,30 | — 1,8 | 0 | —1 |
| 31 | +1,932 | + 0,1 | —12,37 | + 0,3 | +1 | —1 |
| Apr. 10 | +1,917 | — 2,8 | —12,25 | + 2,1 | +1 | —1 |
| 20 | +1,876 | — 5,1 | —11,96 | + 3,5 | +2 | —1 |
| 30 | +1,815 | — 6,9 | —11,56 | + 4,5 | +2 | —2 |
| Maj. 10 | +1,739 | — 8,2 | —11,06 | + 5,3 | +2 | —2 |
| 20 | +1,652 | — 9,0 | —10,50 | + 5,8 | +3 | —2 |
| 30 | +1,560 | — 9,4 | — 9,90 | + 6,1 | +3 | —2 |
| Jun. 9 | +1,464 | — 9,5 | — 9,29 | + 6,1 | +3 | —2 |
| 19 | +1,370 | — 9,3 | — 8,69 | + 6,0 | +3 | —2 |
| 29 | +1,279 | — 8,9 | — 8,10 | + 5,7 | +3 | —2 |
| Jul. 9 | +1,193 | — 8,2 | — 7,55 | + 5,2 | +3 | —2 |
| 19 | +1,115 | — 7,3 | — 7,06 | + 4,6 | +3 | —2 |
| 29 | +1,048 | — 6,0 | — 6,63 | + 3,8 | +2 | —1 |
| Aug. 8 | +0,995 | — 4,5 | — 6,30 | + 2,7 | +2 | —1 |
| 18 | +0,959 | — 2,5 | — 6,09 | + 1,5 | +2 | —1 |
| 28 | +0,945 | — 0,2 | — 6,01 | — 0,1 | +1 | —1 |
| Sept. 7 | +0,955 | + 2,5 | — 6,11 | — 2,0 | +1 | —1 |
| 17 | +0,995 | + 5,7 | — 6,41 | — 4,1 | 0 | 0 |
| 27 | +1,068 | + 9,2 | — 6,93 | — 6,4 | 0 | 0 |
| Oct. 7 | +1,178 | +13,0 | — 7,69 | — 8,9 | —1 | 0 |
| 17 | +1,327 | +16,9 | — 8,71 | —11,5 | —1 | +1 |
| 27 | +1,516 | +20,8 | — 9,99 | —14,1 | —2 | +1 |
| Nov. 6 | +1,743 | +24,5 | —11,52 | —16,4 | —2 | +1 |
| 16 | +2,006 | +27,8 | —13,27 | —18,5 | —3 | +2 |
| 26 | +2,299 | +30,5 | —15,21 | —20,1 | —3 | +2 |
| Dec. 6 | +2,615 | +32,3 | —17,28 | —21,1 | —3 | +2 |
| 16 | +2,945 | +33,2 | —19,43 | —21,6 | —3 | +2 |
| 26 | +3,278 | +33,0 | —21,59 | —21,3 | —3 | +2 |
| 36 | +3,604 | +31,9 | —23,68 | —20,3 | —3 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 11 37 40,3958 | + 3 10 22,234 |
| 1751 | 37 43,5206 | 10 1,968 |
| 1752 | 37 46,6454 | 9 41,702 |
| 1753 | 37 49,7702 | 9 21,435 |
| 1754 | 37 52,8951 | 9 1,168 |
| 1755 | 37 56,0200 | 8 40,900 |
| 1756 | 37 59,1448 | 8 20,632 |
| 1757 | 38 2,2696 | 8 0,364 |
| 1758 | 38 5,3944 | 7 40,096 |
| 1759 | 38 8,5192 | 7 19,827 |
| 1760 | 38 11,6440 | 6 59,558 |
| 1761 | 38 14,7688 | 6 39,289 |
| 1762 | 38 17,8936 | 6 19,019 |
| 1763 | 38 21,0184 | 5 58,749 |
| 1764 | 38 24,1432 | 5 38,479 |
| 1765 | 38 27,2679 | 5 18,207 |
| 1766 | 38 30,3927 | 4 57,936 |
| 1767 | 38 33,5175 | 4 37,665 |
| 1768 | 38 36,6423 | 4 17,393 |
| 1769 | 38 39,7670 | 3 57,121 |
| 1770 | 38 42,8917 | 3 36,849 |

Diei reducto addendum est:

ante } Sept. 16 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 13 12 4,501 | — 9 50 58,80 | 1760 | Jan. 1 | 13 12 33,818 | — 9 53 57,16 |
| | Apr. 10 | 4,525 | 58,64 | | Apr. 10 | 33,821 | 57,49 |
| | Jul. 19 | 4,541 | 58,42 | | Jul. 19 | 33,832 | 57,86 |
| | Oct. 27 | 4,547 | 58,15 | | Oct. 27 | 33,852 | 58,28 |
| | Dec. 66 | 4,545 | 57,83 | | Dec. 66 | 33,881 | 58,74 |
| 1751 | Jan. 0 | 13 12 7,685 | — 9 51 17,07 | 1761 | Jan. 0 | 13 12 37,010 | — 9 54 17,70 |
| | Apr. 10 | 7,676 | 16,73 | | Apr. 10 | 37,044 | 18,19 |
| | Jul. 19 | 7,659 | 16,34 | | Jul. 19 | 37,086 | 18,71 |
| | Oct. 27 | 7,632 | 15,88 | | Oct. 27 | 37,136 | 19,26 |
| | Dec. 66 | 7,598 | 15,36 | | Dec. 66 | 37,193 | 19,83 |
| 1752 | Jan. 1 | 13 12 10,748 | — 9 51 34,67 | 1762 | Jan. 0 | 13 12 40,312 | — 9 54 38,75 |
| | Apr. 10 | 10,707 | 34,15 | | Apr. 10 | 40,374 | 39,34 |
| | Jul. 19 | 10,658 | 33,59 | | Jul. 19 | 40,441 | 39,95 |
| | Oct. 27 | 10,601 | 33,01 | | Oct. 27 | 40,514 | 40,56 |
| | Dec. 66 | 10,537 | 32,40 | | Dec. 66 | 40,593 | 41,19 |
| 1753 | Jan. 0 | 13 12 13,697 | — 9 51 51,74 | 1763 | Jan. 0 | 13 12 43,705 | — 9 55 0,10 |
| | Apr. 10 | 13,628 | 51,12 | | Apr. 10 | 43,787 | 0,73 |
| | Jul. 19 | 13,553 | 50,48 | | Jul. 19 | 43,872 | 1,35 |
| | Oct. 27 | 13,472 | 49,83 | | Oct. 27 | 43,960 | 1,96 |
| | Dec. 66 | 13,386 | 49,18 | | Dec. 66 | 44,052 | 2,57 |
| 1754 | Jan. 0 | 13 12 16,553 | — 9 52 8,53 | 1764 | Jan. 1 | 13 12 47,160 | — 9 55 21,49 |
| | Apr. 10 | 16,463 | 7,87 | | Apr. 10 | 47,253 | 22,09 |
| | Jul. 19 | 16,371 | 7,23 | | Jul. 19 | 47,347 | 22,66 |
| | Oct. 27 | 16,275 | 6,59 | | Oct. 27 | 47,441 | 23,21 |
| | Dec. 66 | 16,177 | 5,97 | | Dec. 66 | 47,536 | 23,74 |
| 1755 | Jan. 0 | 13 12 19,348 | — 9 52 25,31 | 1765 | Jan. 0 | 13 12 50,643 | — 9 55 42,68 |
| | Apr. 10 | 19,248 | 24,70 | | Apr. 10 | 50,738 | 43,18 |
| | Jul. 19 | 19,149 | 24,12 | | Jul. 19 | 50,831 | 43,65 |
| | Oct. 27 | 19,050 | 23,58 | | Oct. 27 | 50,922 | 44,08 |
| | Dec. 66 | 18,952 | 23,07 | | Dec. 66 | 51,010 | 44,48 |
| 1756 | Jan. 1 | 13 12 22,123 | — 9 52 42,36 | 1766 | Jan. 0 | 13 12 54,120 | — 9 56 3,46 |
| | Apr. 10 | 22,026 | 41,87 | | Apr. 10 | 54,206 | 3,82 |
| | Jul. 19 | 21,933 | 41,44 | | Jul. 19 | 54,288 | 4,13 |
| | Oct. 27 | 21,843 | 41,05 | | Oct. 27 | 54,365 | 4,39 |
| | Dec. 66 | 21,756 | 40,71 | | Dec. 66 | 54,437 | 4,60 |
| 1757 | Jan. 0 | 13 12 24,923 | — 9 52 59,94 | 1767 | Jan. 0 | 13 12 57,553 | — 9 56 23,65 |
| | Apr. 10 | 24,839 | 59,63 | | Apr. 10 | 57,621 | 23,82 |
| | Jul. 19 | 24,762 | 59,38 | | Jul. 19 | 57,683 | 23,94 |
| | Oct. 27 | 24,691 | 59,19 | | Oct. 27 | 57,737 | 24,00 |
| | Dec. 66 | 24,627 | 59,06 | | Dec. 66 | 57,786 | 24,01 |
| 1758 | Jan. 0 | 13 12 27,786 | — 9 53 18,22 | 1768 | Jan. 1 | 13 13 0,910 | — 9 56 43,12 |
| | Apr. 10 | 27,726 | 18,13 | | Apr. 10 | 0,953 | 43,08 |
| | Jul. 19 | 27,675 | 18,10 | | Jul. 19 | 0,987 | 42,99 |
| | Oct. 27 | 27,631 | 18,12 | | Oct. 27 | 1,013 | 42,84 |
| | Dec. 66 | 27,596 | 18,21 | | Dec. 66 | 1,031 | 42,64 |
| 1759 | Jan. 0 | 13 12 30,745 | — 9 53 37,30 | 1769 | Jan. 0 | 13 13 4,166 | — 9 57 1,82 |
| | Apr. 10 | 30,715 | 37,43 | | Apr. 10 | 4,178 | 1,58 |
| | Jul. 19 | 30,694 | 37,61 | | Jul. 19 | 4,181 | 1,28 |
| | Oct. 27 | 30,682 | 37,85 | | Oct. 27 | 4,175 | 0,94 |
| | Dec. 66 | 30,679 | 38,14 | | Dec. 66 | 4,160 | 0,54 |

## Tabulae X. Sect. I. *α Virginis.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —0,185 | +33,4 | + 2,09 | —20,2 | —3 | + | 1750 | 13 12 3,4912 | — 9 50 52,048 |
| 10 | +0,149 | +33,1 | + 0,04 | —20,5 | —3 | +2 | 1751 | 12 6,6287 | 51 11,181 |
| 20 | +0,476 | +31,8 | — 2,01 | —20,2 | —3 | +2 | 1752 | 12 9,7664 | 51 30,313 |
| 30 | +0,785 | +29,7 | — 3,99 | —19,2 | —3 | +2 | 1753 | 12 12,9042 | 51 49,443 |
| Febr. 9 | +1,070 | +26,9 | — 5,85 | —17,8 | —2 | +2 | 1754 | 12 16,0420 | 52 8,572 |
| | | | | | | | 1755 | 12 19,1800 | 52 27,699 |
| 19 | +1,323 | +23,7 | — 7,54 | —15,9 | —2 | +2 | 1756 | 12 22,3181 | 52 46,825 |
| Mart. 1 | +1,543 | +20,2 | — 9,02 | —13,7 | —2 | +2 | 1757 | 12 25,4563 | 53 5,949 |
| 11 | +1,726 | +16,5 | —10,28 | —11,5 | —1 | +2 | 1758 | 12 28,5946 | 53 25,072 |
| 21 | +1,873 | +13,0 | —11,31 | — 9,2 | 0 | +2 | 1759 | 12 31,7330 | 53 44,193 |
| 31 | +1,986 | + 9,6 | —12,11 | — 6,9 | 0 | +1 | 1760 | 12 34,8717 | 54 3,313 |
| | | | | | | | 1761 | 12 38,0104 | 54 22,431 |
| Apr. 10 | +2,065 | + 6,5 | —12,69 | — 4,8 | +1 | +1 | 1762 | 12 41,1492 | 54 41,548 |
| 20 | +2,115 | + 3,6 | —13,06 | — 2,9 | +1 | +1 | 1763 | 12 44,2881 | 55 0,663 |
| 30 | +2,137 | + 1,1 | —13,26 | — 1,2 | +2 | +1 | 1764 | 12 47,4271 | 55 19,777 |
| Maj. 10 | +2,136 | — 1,2 | —13,30 | + 0,3 | +2 | 0 | 1765 | 12 50,5661 | 55 38,888 |
| 20 | +2,113 | — 3,3 | —13,21 | + 1,6 | +3 | 0 | 1766 | 12 53,7053 | 55 57,998 |
| | | | | | | | 1767 | 12 56,8446 | 56 17,107 |
| 30 | +2,070 | — 5,1 | —12,99 | + 2,7 | +3 | 0 | 1768 | 12 59,9841 | 56 36,214 |
| Jun. 9 | +2,011 | — 6,7 | —12,67 | + 3,6 | +3 | 0 | 1769 | 13 3,1237 | 56 55,325 |
| 19 | +1,937 | — 8,1 | —12,27 | + 4,4 | +3 | —1 | 1770 | 13 6,2634 | 57 14,425 |
| 29 | +1,850 | — 9,3 | —11,79 | + 5,1 | +4 | —1 | | | |
| Jul. 9 | +1,751 | —10,2 | —11,25 | + 5,6 | +4 | —1 | | | |
| 19 | +1,646 | —10,8 | —10,67 | + 6,0 | +4 | —1 | | | |
| 29 | +1,536 | —11,0 | —10,05 | + 6,3 | +3 | —1 | | | |
| Aug. 8 | +1,427 | —10,7 | — 9,42 | + 6,3 | +3 | —1 | | | |
| 18 | +1,322 | —10,0 | — 8,80 | + 6,0 | +3 | —1 | | | |
| 28 | +1,228 | — 8,5 | — 8,22 | + 5,5 | +3 | —1 | | | |
| Sept. 7 | +1,152 | — 6,4 | — 7,71 | + 4,5 | +2 | —1 | | | |
| 17 | +1,100 | — 3,7 | — 7,32 | + 3,2 | +2 | —1 | | | |
| 27 | +1,079 | — 0,3 | — 7,08 | + 1,5 | +1 | 0 | | | |
| Oct. 7 | +1,095 | + 3,7 | — 7,02 | — 0,6 | +1 | 0 | | | |
| 17 | +1,152 | + 8,0 | — 7,20 | — 3,1 | 0 | 0 | | | |
| 27 | +1,255 | +12,7 | — 7,63 | — 5,7 | 0 | +1 | | | |
| Nov. 6 | +1,405 | +17,3 | — 8,34 | — 8,5 | —1 | +1 | | | |
| 16 | +1,601 | +21,8 | — 9,33 | —11,3 | —1 | +2 | | | |
| 26 | +1,840 | +25,8 | —10,60 | —14,0 | —1 | +2 | | | |
| Dec. 6 | +2,116 | +29,1 | —12,12 | —16,3 | —2 | +3 | | | |
| 16 | +2,421 | +31,5 | —13,86 | —18,3 | —2 | +3 | | | |
| 26 | +2,746 | +33,0 | —15,78 | —19,7 | —2 | +3 | | | |
| 36 | +3,080 | +33,4 | —17,80 | —20,4 | —2 | +4 | | | |

Diei reducto addendum est:

ante } Oct. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Bootis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 14 4 16,977 | +20 29 34,90 | 1760 | Jan. 1 | 14 4 42,409 | +20 26 35,29 |
| | Apr. 10 | 16,973 | 35,23 | | Apr. 10 | 42,437 | 34,80 |
| | Jul. 19 | 16,961 | 35,62 | | Jul. 19 | 42,473 | 34,27 |
| | Oct. 27 | 16,942 | 36,06 | | Oct. 27 | 42,515 | 33,71 |
| | Dec. 66 | 16,914 | 36,55 | | Dec. 66 | 42,565 | 33,11 |
| 1751 | Jan. 0 | 14 4 19,655 | +20 29 17,22 | 1761 | Jan. 0 | 14 4 45,279 | +20 26 14,17 |
| | Apr. 10 | 19,622 | 17,74 | | Apr. 10 | 45,333 | 13,56 |
| | Jul. 19 | 19,582 | 18,30 | | Jul. 19 | 45,392 | 12,93 |
| | Oct. 27 | 19,534 | 18,89 | | Oct. 27 | 45,457 | 12,28 |
| | Dec. 66 | 19,479 | 19,51 | | Dec. 66 | 45,527 | 11,61 |
| 1752 | Jan. 1 | 14 4 22,230 | +20 29 0,14 | 1762 | Jan. 0 | 14 4 48,235 | +20 25 52,70 |
| | Apr. 10 | 22,171 | 0,78 | | Apr. 10 | 48,308 | 52,03 |
| | Jul. 19 | 22,106 | 1,44 | | Jul. 19 | 48,385 | 51,36 |
| | Oct. 27 | 22,036 | 2,11 | | Oct. 27 | 48,464 | 50,70 |
| | Dec. 66 | 21,959 | 2,80 | | Dec. 66 | 48,547 | 50,04 |
| 1753 | Jan. 0 | 14 4 24,717 | +20 28 43,42 | 1763 | Jan. 0 | 14 4 51,251 | +20 25 31,13 |
| | Apr. 10 | 24,638 | 44,11 | | Apr. 10 | 51,335 | 30,48 |
| | Jul. 19 | 24,555 | 44,79 | | Jul. 19 | 51,420 | 29,85 |
| | Oct. 27 | 24,470 | 45,47 | | Oct. 27 | 51,506 | 29,24 |
| | Dec. 66 | 24,382 | 46,15 | | Dec. 66 | 51,592 | 28,66 |
| 1754 | Jan. 0 | 14 4 27,143 | +20 28 26,77 | 1764 | Jan. 1 | 14 4 54,295 | +20 25 9,72 |
| | Apr. 10 | 27,054 | 27,43 | | Apr. 10 | 54,381 | 9,16 |
| | Jul. 19 | 26,964 | 28,06 | | Jul. 19 | 54,466 | 8,64 |
| | Oct. 27 | 26,874 | 28,66 | | Oct. 27 | 54,549 | 8,15 |
| | Dec. 66 | 26,783 | 29,24 | | Dec. 66 | 54,630 | 7,70 |
| 1755 | Jan. 0 | 14 4 29,545 | +20 28 9,90 | 1765 | Jan. 0 | 14 4 57,335 | +20 24 48,72 |
| | Apr. 10 | 29,456 | 10,45 | | Apr. 10 | 57,414 | 48,30 |
| | Jul. 19 | 29,369 | 10,96 | | Jul. 19 | 57,490 | 47,93 |
| | Oct. 27 | 29,285 | 11,41 | | Oct. 27 | 57,561 | 47,62 |
| | Dec. 66 | 29,204 | 11,82 | | Dec. 66 | 57,628 | 47,36 |
| 1756 | Jan. 1 | 14 4 31,962 | +20 27 52,54 | 1766 | Jan. 0 | 14 5 0,338 | +20 24 28,32 |
| | Apr. 10 | 31,883 | 52,92 | | Apr. 10 | 0,402 | 28,10 |
| | Jul. 19 | 31,810 | 53,23 | | Jul. 19 | 0,460 | 27,93 |
| | Oct. 27 | 31,742 | 53,48 | | Oct. 27 | 0,512 | 27,82 |
| | Dec. 66 | 31,680 | 53,68 | | Dec. 66 | 0,558 | 27,77 |
| 1757 | Jan. 0 | 14 4 34,432 | +20 27 34,47 | 1767 | Jan. 0 | 14 5 3,275 | +20 24 8,66 |
| | Apr. 10 | 34,374 | 34,62 | | Apr. 10 | 3,317 | 8,65 |
| | Jul. 19 | 34,323 | 34,71 | | Jul. 19 | 3,351 | 8,71 |
| | Oct. 27 | 34,279 | 34,73 | | Oct. 27 | 3,378 | 8,82 |
| | Dec. 66 | 34,242 | 34,69 | | Dec. 66 | 3,398 | 8,99 |
| 1758 | Jan. 0 | 14 4 36,985 | +20 27 15,57 | 1768 | Jan. 1 | 14 5 6,124 | +20 23 49,80 |
| | Apr. 10 | 36,954 | 15,48 | | Apr. 10 | 6,138 | 50,02 |
| | Jul. 19 | 36,931 | 15,33 | | Jul. 19 | 6,144 | 50,29 |
| | Oct. 27 | 39,916 | 15,12 | | Oct. 27 | 6,142 | 50,62 |
| | Dec. 66 | 36,909 | 14,85 | | Dec. 66 | 6,133 | 51,00 |
| 1759 | Jan. 0 | 14 4 39,642 | +20 26 55,81 | 1769 | Jan. 0 | 14 5 8,869 | +20 23 31,74 |
| | Apr. 10 | 39,641 | 55,50 | | Apr. 10 | 8,853 | 32,16 |
| | Jul. 19 | 39,648 | 55,14 | | Jul. 19 | 8,830 | 32,62 |
| | Oct. 27 | 39,663 | 54,73 | | Oct. 27 | 8,799 | 33,13 |
| | Dec. 66 | 39,686 | 54,27 | | Dec. 66 | 8,761 | 33,68 |

## Tabulae X. Sect. I. *α Bootis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,529 | +32,1 | — 7,69 | —24,3 | —3 | +2 |
| 10 | —0,202 | +33,0 | —10,00 | —21,6 | —3 | +2 |
| 20 | +0,130 | +32,9 | —12,00 | —18,2 | —3 | +2 |
| 30 | +0,456 | +31,9 | —13,64 | —14,3 | —3 | +2 |
| Febr. 9 | +0,768 | +30,1 | —14,85 | —10,0 | —3 | +1 |
| 19 | +1,058 | +27,6 | —15,63 | — 5,6 | —3 | +1 |
| Mart. 1 | +1,319 | +24,5 | —15,96 | — 1,1 | —2 | +1 |
| 11 | +1,548 | +21,2 | —15,85 | + 3,1 | —2 | 0 |
| 21 | +1,742 | +17,6 | —15,35 | + 6,8 | —2 | 0 |
| 31 | +1,900 | +14,1 | —14,49 | +10,1 | —1 | 0 |
| Apr. 10 | +2,024 | +10,7 | —13,34 | +12,6 | —1 | —1 |
| 20 | +2,113 | + 7,3 | —11,97 | +14,4 | 0 | —1 |
| 30 | +2,170 | + 4,2 | —10,46 | +15,5 | 0 | —1 |
| Maj. 10 | +2,197 | + 1,3 | — 8,87 | +16,0 | +1 | —1 |
| 20 | +2,196 | — 1,4 | — 7,27 | +15,8 | +1 | —1 |
| 30 | +2,169 | — 3,9 | — 5,72 | +15,0 | +1 | —1 |
| Jun. 9 | +2,118 | — 6,2 | — 4,28 | +13,6 | +2 | —1 |
| 19 | +2,046 | — 8,2 | — 3,00 | +11,9 | +2 | —1 |
| 29 | +1,954 | —10,1 | — 1,91 | + 9,9 | +2 | —1 |
| Jul. 9 | +1,844 | —11,7 | — 1,03 | + 7,5 | +3 | —1 |
| 19 | +1,720 | —13,0 | — 0,41 | + 5,0 | +3 | 0 |
| 29 | +1,585 | —13,8 | — 0,04 | + 2,4 | +3 | 0 |
| Aug. 8 | +1,444 | —14,2 | + 0,06 | — 0,5 | +3 | 0 |
| 18 | +1,301 | —14,1 | — 0,13 | — 3,4 | +3 | 0 |
| 28 | +1,163 | —13,3 | — 0,61 | — 6,3 | +3 | +1 |
| Sept. 7 | +1,036 | —11,8 | — 1,38 | — 9,2 | +2 | +1 |
| 17 | +0,927 | — 9,6 | — 2,44 | —12,1 | +2 | +2 |
| 27 | +0,844 | — 6,7 | — 3,79 | —15,0 | +2 | +2 |
| Oct. 7 | +0,794 | — 3,0 | — 5,43 | —17,8 | +1 | +2 |
| 17 | +0,784 | + 1,2 | — 7,34 | —20,4 | +1 | +3 |
| 27 | +0,818 | + 5,9 | — 9,50 | —22,8 | 0 | +3 |
| Nov. 6 | +0,901 | +10,8 | —11,89 | —24,8 | 0 | +4 |
| 16 | +1,033 | +15,7 | —14,45 | —26,3 | —1 | +4 |
| 26 | +1,215 | +20,4 | —17,14 | —27,2 | —1 | +4 |
| Dec. 6 | +1,441 | +24,6 | —19,89 | —27,5 | —2 | +4 |
| 16 | +1,707 | +28,2 | —22,63 | —26,9 | —2 | +5 |
| 26 | +2,005 | +30,9 | —25,27 | —25,5 | —2 | +5 |
| 36 | +2,324 | +32,6 | —27,73 | —23,4 | —3 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 14 4 16,0197 | +20 29 41,376 |
| 1751 | 4 18,7511 | 29 22,217 |
| 1752 | 4 21,4825 | 29 3,059 |
| 1753 | 4 24,2140 | 28 43,904 |
| 1754 | 4 26,9455 | 28 24,751 |
| 1755 | 4 29,6770 | 28 5,600 |
| 1756 | 4 32,4085 | 27 46,452 |
| 1757 | 4 35,1400 | 27 27,305 |
| 1758 | 4 37,8715 | 27 8,161 |
| 1759 | 4 40,6030 | 26 49,019 |
| 1760 | 4 43,3346 | 26 29,879 |
| 1761 | 4 46,0662 | 26 10,741 |
| 1762 | 4 48,7978 | 25 51,605 |
| 1763 | 4 51,5294 | 25 32,472 |
| 1764 | 4 54,2610 | 25 13,341 |
| 1765 | 4 56,9925 | 24 54,211 |
| 1766 | 4 59,7241 | 24 35,084 |
| 1767 | 5 2,4557 | 24 15,960 |
| 1768 | 5 5,1874 | 23 56,837 |
| 1769 | 5 7,9191 | 23 37,716 |
| 1770 | 5 10,6508 | 23 18,597 |

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ante } Oct. 26 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae IX. Sect. I. 1α *Librae.*

| | | | |
|---|---|---|---|
| 1750 | Jan. 0 | 14h 36′ 55″,359 | —14° 56′ 33″,47 |
| | Apr. 10 | 55,386 | 33,03 |
| | Jul. 19 | 55,404 | 32,54 |
| | Oct. 27 | 55,413 | 32,01 |
| | Dec. 66 | 55,412 | 31,43 |
| 1751 | Jan. 0 | 14 36 58,702 | —14 56 47,25 |
| | Apr. 10 | 58,695 | 46,64 |
| | Jul. 19 | 58,679 | 46,01 |
| | Oct. 27 | 58,653 | 45,35 |
| | Dec. 66 | 58,618 | 44,66 |
| 1752 | Jan. 1 | 14 37 1,919 | —14 57 0,51 |
| | Apr. 10 | 1,878 | 56 59,81 |
| | Jul. 19 | 1,828 | 59,10 |
| | Oct. 27 | 1,770 | 58,38 |
| | Dec. 66 | 1,704 | 57,66 |
| 1753 | Jan. 0 | 14 37 5,015 | —14 57 13,52 |
| | Apr. 10 | 4,944 | 12,80 |
| | Jul. 19 | 4,867 | 12,10 |
| | Oct. 27 | 4,783 | 11,42 |
| | Dec. 66 | 4,693 | 10,75 |
| 1754 | Jan. 0 | 14 37 8,012 | —14 57 26,59 |
| | Apr. 10 | 7,919 | 25,94 |
| | Jul. 19 | 7,822 | 25,33 |
| | Oct. 27 | 7,722 | 24,76 |
| | Dec. 66 | 7,619 | 24,23 |
| 1755 | Jan. 0 | 14 37 10,943 | —14 57 40,01 |
| | Apr. 10 | 10,839 | 39,51 |
| | Jul. 19 | 10,735 | 39,06 |
| | Oct. 27 | 10,631 | 38,67 |
| | Dec. 66 | 10,527 | 38,34 |
| 1756 | Jan. 1 | 14 37 13,851 | —14 57 54,05 |
| | Apr. 10 | 13,749 | 53,76 |
| | Jul. 19 | 13,650 | 53,53 |
| | Oct. 27 | 13,554 | 53,37 |
| | Dec. 66 | 13,462 | 53,28 |
| 1757 | Jan. 0 | 14 37 16,782 | —14 58 8,90 |
| | Apr. 10 | 16,693 | 8,85 |
| | Jul. 19 | 16,612 | 8,87 |
| | Oct. 27 | 16,536 | 8,96 |
| | Dec. 66 | 16,467 | 9,11 |
| 1758 | Jan. 0 | 14 37 19,779 | —14 58 24,65 |
| | Apr. 10 | 19,714 | 24,85 |
| | Jul. 19 | 19,658 | 25,10 |
| | Oct. 27 | 19,611 | 25,42 |
| | Dec. 66 | 19,572 | 25,80 |
| 1759 | Jan. 0 | 14 37 22,874 | —14 58 41,26 |
| | Apr. 10 | 22,841 | 41,68 |
| | Jul. 19 | 22,817 | 42,14 |
| | Oct. 27 | 22,802 | 42,65 |
| | Dec. 66 | 22,797 | 43,20 |
| 1760 | Jan. 1 | 14h 37′ 26″,087 | —14° 58′ 58″,60 |
| | Apr. 10 | 26,089 | 59,18 |
| | Jul. 19 | 26,099 | 59,80 |
| | Oct. 27 | 26,118 | 59 0,43 |
| | Dec. 66 | 26,147 | 1,10 |
| 1761 | Jan. 0 | 14 37 29,427 | —14 59 16,47 |
| | Apr. 10 | 29,461 | 17,14 |
| | Jul. 19 | 29,504 | 17,83 |
| | Oct. 27 | 29,554 | 18,53 |
| | Dec. 66 | 29,613 | 19,23 |
| 1762 | Jan. 0 | 14 37 32,883 | —14 59 34,58 |
| | Apr. 10 | 32,946 | 35,28 |
| | Jul. 19 | 33,016 | 35,97 |
| | Oct. 27 | 33,091 | 36,65 |
| | Dec. 66 | 33,173 | 37,31 |
| 1763 | Jan. 0 | 14 37 36,435 | —14 59 52,67 |
| | Apr. 10 | 36,520 | 53,32 |
| | Jul. 19 | 36,609 | 53,93 |
| | Oct. 27 | 36,701 | 54,51 |
| | Dec. 66 | 36,797 | 55,07 |
| 1764 | Jan. 1 | 14 37 40,055 | —15 0 10,47 |
| | Apr. 10 | 40,153 | 10,99 |
| | Jul. 19 | 40,251 | 11,47 |
| | Oct. 27 | 40,350 | 11,90 |
| | Dec. 66 | 40,450 | 12,28 |
| 1765 | Jan. 0 | 14 37 43,708 | —15 0 27,73 |
| | Apr. 10 | 43,807 | 28,08 |
| | Jul. 19 | 43,905 | 28,37 |
| | Oct. 27 | 44,001 | 28,60 |
| | Dec. 66 | 44,094 | 28,78 |
| 1766 | Jan. 0 | 14 37 47,354 | —15 0 44,30 |
| | Apr. 10 | 47,445 | 44,43 |
| | Jul. 19 | 47,532 | 44,50 |
| | Oct. 27 | 47,514 | 44,51 |
| | Dec. 66 | 47,691 | 44,45 |
| 1767 | Jan. 0 | 14 37 50,957 | —15 1 0,05 |
| | Apr. 10 | 51,030 | 0 59,95 |
| | Jul. 19 | 51,096 | 59,79 |
| | Oct. 27 | 51,155 | 59,57 |
| | Dec. 66 | 51,208 | 59,29 |
| 1768 | Jan. 1 | 14 37 54,482 | —15 1 14,95 |
| | Apr. 10 | 54,529 | 14,63 |
| | Jul. 19 | 54,567 | 14,26 |
| | Oct. 27 | 54,596 | 13,83 |
| | Dec. 66 | 54,616 | 13,34 |
| 1769 | Jan. 0 | 14 37 57,902 | —15 1 29,08 |
| | Apr. 10 | 57,916 | 28,56 |
| | Jul. 19 | 57,921 | 28,01 |
| | Oct. 27 | 57,919 | 27,41 |
| | Dec. 66 | 57,903 | 26,78 |

## Tabulae X. Sect. I. 1*a* *Librae.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,668 | +31,8 | + 3,39 | −15,6 | −3 | +1 | 1750 | 14 36 54,3030 | −14 56 27,328 |
| 10 | −0,342 | +32,9 | + 1,77 | −16,5 | −3 | +1 | 1751 | 36 57,5914 | 56 42,949 |
| 20 | −0,010 | +33,2 | + 0,09 | −16,9 | −3 | +2 | 1752 | 37 0,8800 | 56 58,566 |
| 30 | +0,321 | +32,6 | − 1,60 | −16,7 | −3 | +2 | 1753 | 37 4,1687 | 57 14,181 |
| Febr. 9 | +0,642 | +31,2 | − 3,25 | −16,0 | −3 | +2 | 1754 | 37 7,4576 | 57 29,792 |
| | | | | | | | 1755 | 37 10,7467 | 57 45,400 |
| 19 | +0,944 | +29,2 | − 4,80 | −15,8 | −3 | +2 | 1756 | 37 14,0359 | 58 1,005 |
| Mart. 1 | +1,225 | +26,8 | − 6,21 | −13,3 | −2 | +2 | 1757 | 37 17,3253 | 58 16,607 |
| 11 | +1,479 | +24,0 | − 7,46 | −11,6 | −2 | +3 | 1758 | 37 20,6148 | 58 32,206 |
| 21 | +1,705 | +21,2 | − 8,53 | − 9,8 | −1 | +3 | 1759 | 37 23,9045 | 58 47,802 |
| 31 | +1,902 | +18,2 | − 9,41 | − 7,9 | −1 | +3 | 1760 | 37 27,1943 | 59 3,395 |
| | | | | | | | 1761 | 37 30,4843 | 59 18,985 |
| Apr. 10 | +2,069 | +15,3 | −10,11 | − 6,2 | 0 | +2 | 1762 | 37 33,7744 | 59 34,571 |
| 20 | +2,208 | +12,5 | −10,64 | − 4,5 | 0 | +2 | 1763 | 37 37,0647 | 59 50,155 |
| 30 | +2,318 | + 9,6 | −11,01 | − 3,0 | +1 | +2 | 1764 | 37 40,3552 | −15 0 5,735 |
| Maj. 10 | +2,400 | + 6,8 | −11,24 | − 1,7 | +1 | +2 | 1765 | 37 43,6458 | 0 21,312 |
| 20 | +2,454 | + 4,1 | −11,34 | − 0,6 | +2 | +2 | 1766 | 37 46,9366 | 0 36,887 |
| | | | | | | | 1767 | 37 50,2275 | 0 52,458 |
| 30 | +2,482 | + 1,5 | −11,35 | + 0,4 | +2 | +2 | 1768 | 37 53,5186 | 1 8,026 |
| Jun. 9 | +2,483 | − 1,3 | −11,26 | + 1,3 | +3 | +2 | 1769 | 37 56,8098 | 1 23,590 |
| 19 | +2,457 | − 3,9 | −11,09 | + 2,1 | +3 | +1 | 1770 | 38 0,1012 | 1 39,152 |
| 29 | +2,406 | − 6,3 | −10,85 | + 2,8 | +4 | +1 | | | |
| Jul. 9 | +2,331 | − 8,6 | −10,54 | + 3,4 | +4 | +1 | | | |
| 19 | +2,234 | −10,6 | −10,18 | + 4,0 | +4 | +1 | | | |
| 29 | +2,119 | −12,2 | − 9,75 | + 4,5 | +4 | +1 | | | |
| Aug. 8 | +1,990 | −13,4 | − 9,28 | + 4,9 | +4 | 0 | | | |
| 18 | +1,852 | −14,4 | − 8,78 | + 5,2 | +4 | 0 | | | |
| 28 | +1,713 | −14,2 | − 8,25 | + 5,2 | +4 | 0 | | | |
| Sept. 7 | +1,579 | −12,7 | − 7,74 | + 5,0 | +3 | 0 | | | |
| 17 | +1,460 | −10,7 | − 7,25 | + 4,6 | +3 | 0 | | | |
| 27 | +1,365 | − 8,0 | − 6,83 | + 3,7 | +3 | 0 | | | |
| Oct. 7 | +1,300 | − 4,5 | − 6,52 | + 2,5 | +2 | 0 | | | |
| 17 | +1,275 | − 0,3 | − 6,35 | + 0,9 | +2 | +1 | | | |
| 27 | +1,295 | + 4,5 | − 6,35 | − 1,1 | +1 | +1 | | | |
| Nov. 6 | +1,365 | + 9,6 | − 6,57 | − 3,4 | +1 | +1 | | | |
| 16 | +1,486 | +14,6 | − 7,03 | − 5,8 | 0 | +2 | | | |
| 26 | +1,657 | +19,4 | − 7,73 | − 8,3 | 0 | +2 | | | |
| Dec. 6 | +1,876 | +23,8 | − 8,69 | −10,7 | −1 | +3 | | | |
| 16 | +2,135 | +27,6 | − 9,87 | −12,8 | −1 | +3 | | | |
| 26 | +2,427 | +30,4 | −11,25 | −14,7 | −1 | +4 | | | |
| 36 | +2,743 | +32,4 | −12,80 | −16,0 | −2 | +4 | | | |

Diei reducto addendum est:

ante } Nov. 3 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. 2a *Librae.*

| | | | |
|---|---|---|---|
| 1750 | Jan. 0 | 14h 37′ 6″,583 | —14° 59′ 17″,31 |
| | Apr. 10 | 6,610 | 16,87 |
| | Jul. 19 | 6,628 | 16,38 |
| | Oct. 27 | 6,637 | 15,84 |
| | Dec. 66 | 6,636 | 15,26 |
| 1751 | Jan. 0 | 14 37 9,928 | —14 59 31,06 |
| | Apr. 10 | 9,921 | 30,45 |
| | Jul. 19 | 9,904 | 29,82 |
| | Oct. 27 | 9,878 | 29,16 |
| | Dec. 66 | 9,843 | 28,47 |
| 1752 | Jan. 1 | 14 37 13,147 | —14 59 44,29 |
| | Apr. 10 | 13,106 | 43,59 |
| | Jul. 19 | 13,056 | 42,88 |
| | Oct. 27 | 12,998 | 42,16 |
| | Dec. 66 | 12,932 | 41,44 |
| 1753 | Jan. 0 | 14 37 16,245 | —14 59 57,27 |
| | Apr. 10 | 16,174 | 56,55 |
| | Jul. 19 | 16,096 | 55,85 |
| | Oct. 27 | 16,012 | 55,17 |
| | Dec. 66 | 15,922 | 54,51 |
| 1754 | Jan. 0 | 14 37 19,244 | —15 0 10,31 |
| | Apr. 10 | 19,151 | 9,66 |
| | Jul. 19 | 19,054 | 9,05 |
| | Oct. 27 | 18,954 | 8,48 |
| | Dec. 66 | 18,851 | 7,95 |
| 1755 | Jan. 0 | 14 37 22,177 | —15 0 23,70 |
| | Apr. 10 | 22,073 | 23,20 |
| | Jul. 19 | 21,969 | 22,76 |
| | Oct. 27 | 21,865 | 22,37 |
| | Dec. 66 | 21,761 | 22,04 |
| 1756 | Jan. 1 | 14 37 25,087 | —15 0 37,72 |
| | Apr. 10 | 24,984 | 37,43 |
| | Jul. 19 | 24,885 | 37,20 |
| | Oct. 27 | 24,790 | 37,04 |
| | Dec. 66 | 24,698 | 36,95 |
| 1757 | Jan. 0 | 14 37 28,019 | —15 0 52,54 |
| | Apr. 10 | 27,931 | 52,49 |
| | Jul. 19 | 27,849 | 52,51 |
| | Oct. 27 | 27,773 | 52,60 |
| | Dec. 66 | 27,703 | 52,75 |
| 1758 | Jan. 0 | 14 37 31,018 | —15 1 8,26 |
| | Apr. 10 | 30,953 | 8,46 |
| | Jul. 19 | 30,897 | 8,72 |
| | Oct. 27 | 30,850 | 9,03 |
| | Dec. 66 | 30,811 | 9,41 |
| 1759 | Jan. 0 | 14 37 34,115 | —15 1 24,84 |
| | Apr. 10 | 34,082 | 25,26 |
| | Jul. 19 | 34,058 | 25,72 |
| | Oct. 27 | 34,043 | 26,23 |
| | Dec. 66 | 34,038 | 26,79 |
| 1760 | Jan. 1 | 14h 37′ 37″,330 | —15° 1′ 42″,16 |
| | Apr. 10 | 37,332 | 42,74 |
| | Jul. 19 | 37,342 | 43,35 |
| | Oct. 27 | 37,361 | 43,99 |
| | Dec. 66 | 37,390 | 44,66 |
| 1761 | Jan. 0 | 14 37 40,671 | —15 2 0,00 |
| | Apr. 10 | 40,706 | 0,68 |
| | Jul. 19 | 40,749 | 1,36 |
| | Oct. 27 | 40,799 | 2,06 |
| | Dec. 66 | 40,858 | 2,76 |
| 1762 | Jan. 0 | 14 37 44,129 | —15 2 18,09 |
| | Apr. 10 | 44,192 | 18,79 |
| | Jul. 19 | 44,262 | 19,47 |
| | Oct. 27 | 44,338 | 20,15 |
| | Dec. 66 | 44,420 | 20,81 |
| 1763 | Jan. 0 | 14 37 47,684 | —15 2 36,15 |
| | Apr. 10 | 47,769 | 36,79 |
| | Jul. 19 | 47,858 | 37,41 |
| | Oct. 27 | 47,950 | 37,99 |
| | Dec. 66 | 48,046 | 38,54 |
| 1764 | Jan. 1 | 14 37 51,306 | —15 2 53,91 |
| | Apr. 10 | 51,404 | 54,43 |
| | Jul. 19 | 51,502 | 54,91 |
| | Oct. 27 | 51,601 | 55,34 |
| | Dec. 66 | 51,701 | 55,72 |
| 1765 | Jan. 0 | 14 37 54,960 | —15 3 11,15 |
| | Apr. 10 | 55,060 | 11,49 |
| | Jul. 19 | 55,158 | 11,78 |
| | Oct. 27 | 55,253 | 12,01 |
| | Dec. 66 | 55,347 | 12,19 |
| 1766 | Jan. 0 | 14 37 58,609 | —15 3 27,68 |
| | Apr. 10 | 58,700 | 27,81 |
| | Jul. 19 | 58,787 | 27,88 |
| | Oct. 27 | 58,869 | 27,89 |
| | Dec. 66 | 58,947 | 27,83 |
| 1767 | Jan. 0 | 14 38 2,214 | —15 3 43,40 |
| | Apr. 10 | 2,287 | 43,30 |
| | Jul. 19 | 2,353 | 43,14 |
| | Oct. 27 | 2,413 | 42,92 |
| | Dec. 66 | 2,465 | 42,64 |
| 1768 | Jan. 1 | 14 38 5,741 | —15 3 58,28 |
| | Apr. 10 | 5,788 | 57,95 |
| | Jul. 19 | 5,826 | 57,58 |
| | Oct. 27 | 5,855 | 57,15 |
| | Dec. 66 | 5,876 | 56,66 |
| 1769 | Jan. 0 | 14 38 9,163 | —15 4 12,37 |
| | Apr. 10 | 9,177 | 11,85 |
| | Jul. 19 | 9,182 | 11,30 |
| | Oct. 27 | 9,178 | 10,70 |
| | Dec. 66 | 9,164 | 10,07 |

## Tabulae X. Sect. I. 2a *Librae.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,669 | +31,8 | + 3,40 | −15,5 | −3 | +1 |
| 10 | −0,344 | +32,9 | + 1,79 | −16,5 | −3 | +1 |
| 20 | −0,011 | +33,2 | + 0,11 | −16,9 | −3 | +2 |
| 30 | +0,320 | +32,6 | − 1,58 | −16,7 | −3 | +2 |
| Febr. 9 | +0,641 | +31,2 | − 3,23 | −16,0 | −3 | +2 |
| 19 | +0,944 | +29,2 | − 4,78 | −14,8 | −3 | +2 |
| Mart. 1 | +1,225 | +26,8 | − 6,19 | −13,4 | −2 | +2 |
| 11 | +1,479 | +24,0 | − 7,45 | −11,6 | −2 | +3 |
| 21 | +1,705 | +21,2 | − 8,51 | − 9,8 | −1 | +3 |
| 31 | +1,902 | +18,3 | − 9,40 | − 8,0 | −1 | +3 |
| Apr. 10 | +2,070 | +15,3 | −10,10 | − 6,1 | 0 | +2 |
| 20 | +2,208 | +12,5 | −10,62 | − 4,5 | 0 | +2 |
| 30 | +2,319 | + 9,7 | −10,99 | − 3,0 | +1 | +2 |
| Maj. 10 | +2,401 | + 6,9 | −11,22 | − 1,7 | +1 | +2 |
| 20 | +2,456 | + 4,2 | −11,33 | − 0,6 | +2 | +2 |
| 30 | +2,484 | + 1,5 | −11,34 | + 0,4 | +2 | +2 |
| Jun. 9 | +2,485 | − 1,3 | −11,25 | + 1,3 | +3 | +2 |
| 19 | +2,459 | − 3,8 | −11,09 | + 2,0 | +3 | +1 |
| 29 | +2,409 | − 6,3 | −10,85 | + 2,8 | +4 | +1 |
| Jul. 9 | +2,333 | − 8,6 | −10,54 | + 3,4 | +4 | +1 |
| 19 | +2,237 | −10,6 | −10,17 | + 4,0 | +4 | +1 |
| 29 | +2,121 | −12,3 | − 9,75 | + 4,5 | +4 | +1 |
| Aug. 8 | +1,992 | −13,4 | − 9,28 | + 4,9 | +4 | 0 |
| 18 | +1,854 | −13,9 | − 8,78 | + 5,2 | +4 | 0 |
| 28 | +1,715 | −13,7 | − 8,25 | + 5,3 | +4 | 0 |
| Sept. 7 | +1,581 | −12,7 | − 7,73 | + 5,0 | +3 | 0 |
| 17 | +1,462 | −10,8 | − 7,25 | + 4,5 | +3 | 0 |
| 27 | +1,366 | − 8,0 | − 6,83 | + 3,7 | +3 | 0 |
| Oct. 7 | +1,302 | − 4,5 | − 6,51 | + 2,5 | +2 | 0 |
| 17 | +1,277 | − 0,3 | − 6,33 | + 0,9 | +2 | +1 |
| 27 | +1,297 | + 4,5 | − 6,34 | − 1,1 | +1 | +1 |
| Nov. 6 | +1,366 | + 9,5 | − 6,55 | − 3,4 | +1 | +1 |
| 16 | +1,487 | +14,6 | − 7,01 | − 5,8 | 0 | +2 |
| 26 | +1,658 | +19,5 | − 7,71 | − 8,2 | 0 | +2 |
| Dec. 6 | +1,877 | +23,9 | − 8,65 | −10,6 | −1 | +3 |
| 16 | +2,136 | +27,6 | − 9,83 | −12,9 | −1 | +3 |
| 26 | +2,428 | +30,4 | −11,22 | −14,6 | −1 | +4 |
| 36 | +2,743 | +32,4 | −12,75 | −16,0 | −2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 14 37 5,5264 | −14 59 11,171 |
| 1751 | 37 8,8168 | 59 26,763 |
| 1752 | 37 12,1074 | 59 42,352 |
| 1753 | 37 15,3981 | 59 57,938 |
| 1754 | 37 18,6890 | −15 0 13,521 |
| 1755 | 37 21,9800 | 0 29,100 |
| 1756 | 37 25,2712 | 0 44,676 |
| 1757 | 37 28,5625 | 1 0,249 |
| 1758 | 37 31,8540 | 1 15,818 |
| 1759 | 37 35,1457 | 1 31,385 |
| 1760 | 37 38,4375 | 1 46,950 |
| 1761 | 37 41,7295 | 2 2,511 |
| 1762 | 37 45,0216 | 2 18,069 |
| 1763 | 37 48,3139 | 2 33,623 |
| 1764 | 37 51,6063 | 2 49,174 |
| 1765 | 37 54,8989 | 3 4,722 |
| 1766 | 37 58,1916 | 3 20,267 |
| 1767 | 38 1,4845 | 3 35,809 |
| 1768 | 38 4,7776 | 3 51,348 |
| 1769 | 38 8,0708 | 4 6,884 |
| 1770 | 38 11,3642 | 4 22,416 |

Diei reducto addendum est:

ante } Nov. 3 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Coronae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 15 24 7,525 | +27 34 10,08 | 1760 | Jan. 1 | 15 24 31,176 | +27 32 12,50 |
| | Apr. 10 | 7,520 | 10,66 | | Apr. 10 | 31,204 | 11,81 |
| | Jul. 19 | 7,507 | 11,27 | | Jul. 19 | 31,238 | 11,10 |
| | Oct. 27 | 7,487 | 11,92 | | Oct. 27 | 31,278 | 10,38 |
| | Dec. 66 | 7,459 | 12,61 | | Dec. 66 | 31,325 | 9,64 |
| 1751 | Jan. 0 | 15 24 10,004 | +27 33 59,69 | 1761 | Jan. 0 | 15 24 33,844 | +27 31 57,23 |
| | Apr. 10 | 9,972 | 34 0,40 | | Apr. 10 | 33,895 | 56,48 |
| | Jul. 19 | 9,933 | 1,12 | | Jul. 19 | 33,950 | 55,74 |
| | Oct. 27 | 9,888 | 1,86 | | Oct. 27 | 34,010 | 55,00 |
| | Dec. 66 | 9,837 | 2,62 | | Dec. 66 | 34,074 | 54,27 |
| 1752 | Jan. 1 | 15 24 12,390 | +27 33 49,68 | 1762 | Jan. 0 | 15 24 36,587 | +27 31 41,86 |
| | Apr. 10 | 12,334 | 50,44 | | Apr. 10 | 36,655 | 41,14 |
| | Jul. 19 | 12,274 | 51,19 | | Jul. 19 | 36,725 | 40,44 |
| | Oct. 27 | 12,209 | 51,94 | | Oct. 27 | 36,798 | 39,77 |
| | Dec. 66 | 12,139 | 52,68 | | Dec. 66 | 36,873 | 39,13 |
| 1753 | Jan. 0 | 15 24 14,698 | +27 33 39,75 | 1763 | Jan. 0 | 15 24 39,382 | +27 31 26,69 |
| | Apr. 10 | 14,625 | 40,48 | | Apr. 10 | 39,459 | 26,07 |
| | Jul. 19 | 14,550 | 41,17 | | Jul. 19 | 39,536 | 25,50 |
| | Oct. 27 | 14,472 | 41,83 | | Oct. 27 | 39,614 | 24,97 |
| | Dec. 66 | 14,392 | 42,47 | | Dec. 66 | 39,692 | 24,48 |
| 1754 | Jan. 0 | 15 24 16,954 | +27 33 29,58 | 1764 | Jan. 1 | 15 24 42,201 | +27 31 11,99 |
| | Apr. 10 | 16,872 | 30,19 | | Apr. 10 | 42,279 | 11,54 |
| | Jul. 19 | 16,791 | 30,74 | | Jul. 19 | 42,355 | 11,15 |
| | Oct. 27 | 16,710 | 31,24 | | Oct. 27 | 42,429 | 10,81 |
| | Dec. 66 | 16,629 | 31,69 | | Dec. 66 | 42,502 | 10,53 |
| 1755 | Jan. 0 | 15 24 19,190 | +27 33 18,87 | 1765 | Jan. 0 | 15 24 45,013 | +27 30 57,97 |
| | Apr. 10 | 19,110 | 19,28 | | Apr. 10 | 45,084 | 57,73 |
| | Jul. 19 | 19,032 | 19,62 | | Jul. 19 | 45,151 | 57,56 |
| | Oct. 27 | 18,957 | 19,90 | | Oct. 27 | 45,214 | 57,46 |
| | Dec. 66 | 18,885 | 20,11 | | Dec. 66 | 45,274 | 57,42 |
| 1756 | Jan. 1 | 15 24 21,443 | +27 33 7,37 | 1766 | Jan. 0 | 15 24 47,790 | +27 30 44,78 |
| | Apr. 10 | 21,373 | 7,54 | | Apr. 10 | 47,846 | 44,78 |
| | Jul. 19 | 21,308 | 7,63 | | Jul. 19 | 47,897 | 44,85 |
| | Oct. 27 | 21,249 | 7,65 | | Oct. 27 | 47,942 | 44,99 |
| | Dec. 66 | 21,194 | 7,60 | | Dec. 66 | 47,982 | 45,19 |
| 1757 | Jan. 0 | 15 24 23,746 | +27 32 54,96 | 1767 | Jan. 0 | 15 24 50,505 | +27 30 32,48 |
| | Apr. 10 | 23,695 | 54,86 | | Apr. 10 | 50,540 | 32,73 |
| | Jul. 19 | 23,651 | 54,69 | | Jul. 19 | 50,569 | 33,03 |
| | Oct. 27 | 23,613 | 54,46 | | Oct. 27 | 50,591 | 33,40 |
| | Dec. 66 | 23,582 | 54,15 | | Dec. 66 | 50,607 | 33,82 |
| 1758 | Jan. 0 | 15 24 26,127 | +27 32 41,59 | 1768 | Jan. 1 | 15 24 53,138 | +27 30 21,04 |
| | Apr. 10 | 26,101 | 41,24 | | Apr. 10 | 53,149 | 21,50 |
| | Jul. 19 | 26,082 | 40,84 | | Jul. 19 | 53,152 | 22,01 |
| | Oct. 27 | 26,071 | 40,38 | | Oct. 27 | 53,148 | 22,57 |
| | Dec. 66 | 26,067 | 39,86 | | Dec. 66 | 53,137 | 23,18 |
| 1759 | Jan. 0 | 15 24 28,602 | +27 32 27,38 | 1769 | Jan. 0 | 15 24 55,677 | +27 30 10,34 |
| | Apr. 10 | 28,603 | 26,83 | | Apr. 10 | 55,661 | 10,98 |
| | Jul. 19 | 28,612 | 26,24 | | Jul. 19 | 55,638 | 11,65 |
| | Oct. 27 | 28,627 | 25,61 | | Oct. 27 | 55,608 | 12,34 |
| | Dec. 66 | 28,650 | 24,94 | | Dec. 66 | 55,571 | 13,07 |

## Tabulae X. Sect. I. *a Coronae.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,007 | +28,2 | − 7,85 | −27,4 | −2 | +2 |
| 10 | −0,711 | +30,7 | −10,48 | −24,7 | −2 | +2 |
| 20 | −0,393 | +32,3 | −12,30 | −21,3 | −2 | +2 |
| 30 | −0,065 | +32,9 | −14,73 | −17,1 | −3 | +2 |
| Febr. 9 | +0,265 | +32,7 | −16,21 | −12,3 | −3 | +1 |
| 19 | +0,589 | +31,7 | −17,18 | − 7,2 | −3 | +1 |
| Mart. 1 | +0,898 | +29,9 | −17,64 | − 2,0 | −3 | +1 |
| 11 | +1,186 | +27,6 | −17,57 | + 3,2 | −3 | 0 |
| 21 | +1,449 | +24,9 | −17,01 | + 7,9 | −2 | 0 |
| 31 | +1,684 | +21,9 | −15,99 | +12,2 | −2 | 0 |
| Apr. 10 | +1,887 | +18,7 | −14,57 | +15,8 | −2 | 0 |
| 20 | +2,058 | +15,5 | −12,83 | +18,6 | −1 | −1 |
| 30 | +2,196 | +12,2 | −10,85 | +20,6 | −1 | −1 |
| Maj. 10 | +2,301 | + 8,8 | − 8,71 | +21,8 | 0 | −1 |
| 20 | +2,371 | + 5,3 | − 6,49 | +22,2 | 0 | −1 |
| 30 | +2,407 | + 2,0 | − 4,28 | +21,7 | +1 | −1 |
| Jun. 9 | +2,411 | − 1,3 | − 2,15 | +20,5 | +1 | −1 |
| 19 | +2,382 | − 4,5 | − 0,16 | +18,8 | +1 | 0 |
| 29 | +2,321 | − 7,6 | + 1,63 | +16,7 | +2 | 0 |
| Jul. 9 | +2,230 | −10,5 | + 3,17 | +14,1 | +2 | 0 |
| 19 | +2,112 | −13,0 | + 4,44 | +11,1 | +2 | 0 |
| 29 | +1,970 | −15,2 | + 5,39 | + 7,8 | +2 | 0 |
| Aug. 8 | +1,808 | −16,9 | + 6,00 | + 4,4 | +3 | +1 |
| 18 | +1,632 | −18,0 | + 6,27 | + 0,9 | +3 | +1 |
| 28 | +1,448 | −18,4 | + 6,18 | − 2,7 | +3 | +1 |
| Sept. 7 | +1,264 | −18,0 | + 5,73 | − 6,4 | +3 | +2 |
| 17 | +1,088 | −16,8 | + 4,91 | −10,0 | +2 | +2 |
| 27 | +0,928 | −14,7 | + 3,73 | −13,5 | +2 | +3 |
| Oct. 7 | +0,795 | −11,6 | + 2,21 | −17,0 | +2 | +3 |
| 17 | +0,696 | − 7,9 | + 0,34 | −20,3 | +2 | +3 |
| 27 | +0,638 | − 3,4 | − 1,84 | −23,2 | +1 | +4 |
| Nov. 6 | +0,629 | + 1,7 | − 4,30 | −25,8 | +1 | +4 |
| 16 | +0,672 | + 7,0 | − 6,99 | −27,8 | 0 | +4 |
| 26 | +0,768 | +12,3 | − 9,85 | −29,2 | 0 | +5 |
| Dec. 6 | +0,917 | +17,4 | −12,83 | −29,9 | 0 | +5 |
| 16 | +1,115 | +22,0 | −15,82 | −29,7 | −1 | +5 |
| 26 | +1,357 | +26,1 | −18,76 | −28,6 | −1 | +5 |
| 36 | +1,636 | +29,3 | −21,53 | −26,6 | −2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 15 24 6,6600 | +27 34 15,516 |
| 1751 | 24 9,1946 | 34 2,827 |
| 1752 | 24 11,7292 | 33 50,141 |
| 1753 | 24 14,2639 | 33 37,458 |
| 1754 | 24 16,7986 | 33 24,778 |
| 1755 | 24 19,3333 | 33 12,100 |
| 1756 | 24 21,8680 | 32 59,427 |
| 1757 | 24 24,4028 | 32 46,756 |
| 1758 | 24 26,9376 | 32 34,088 |
| 1759 | 24 29,4724 | 32 21,423 |
| 1760 | 24 32,0072 | 32 8,760 |
| 1761 | 24 34,5421 | 31 56,101 |
| 1762 | 24 37,0770 | 31 43,445 |
| 1763 | 24 39,6119 | 31 30,791 |
| 1764 | 24 42,1468 | 31 18,141 |
| 1765 | 24 44,6817 | 31 5,493 |
| 1766 | 24 47,2167 | 30 52,849 |
| 1767 | 24 49,7517 | 30 40,207 |
| 1768 | 24 52,2867 | 30 27,568 |
| 1769 | 24 54,8218 | 30 14,933 |
| 1770 | 24 57,3569 | 30 2,300 |

Diei reducto addendum est:

ante } Nov. 15 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Serpentis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 15 31 59,207 | + 7 13 43,44 | 1760 | Jan. 1 | 15 32 26,708 | + 7 11 52,10 |
| | Apr. 10 | 59,217 | 44,04 | | Apr. 10 | 26,724 | 51,40 |
| | Jul. 19 | 59,219 | 44,67 | | Jul. 19 | 26,747 | 50,68 |
| | Oct. 27 | 59,212 | 45,34 | | Oct. 27 | 26,778 | 49,94 |
| | Dec. 66 | 59,197 | 46,04 | | Dec. 66 | 26,817 | 49,19 |
| 1751 | Jan. 0 | 15 32 2,148 | + 7 13 33,76 | 1761 | Jan. 0 | 15 32 29,748 | + 7 11 37,44 |
| | Apr. 10 | 2,127 | 34,48 | | Apr. 10 | 29,792 | 36,69 |
| | Jul. 19 | 2,098 | 35,22 | | Jul. 19 | 29,842 | 35,94 |
| | Oct. 27 | 2,062 | 35,97 | | Oct. 27 | 29,898 | 35,20 |
| | Dec. 66 | 2,018 | 36,74 | | Dec. 66 | 29,961 | 34,47 |
| 1752 | Jan. 1 | 15 32 4,978 | + 7 13 24,45 | 1762 | Jan. 0 | 15 32 32,884 | + 7 11 22,71 |
| | Apr. 10 | 4,929 | 25,22 | | Apr. 10 | 32,951 | 21,99 |
| | Jul. 19 | 4,873 | 25,98 | | Jul. 19 | 33,022 | 21,30 |
| | Oct. 27 | 4,810 | 26,73 | | Oct. 27 | 33,097 | 20,64 |
| | Dec. 66 | 4,741 | 27,47 | | Dec. 66 | 33,177 | 20,00 |
| 1753 | Jan. 0 | 15 32 7,709 | + 7 13 15,20 | 1763 | Jan. 0 | 15 32 36,095 | + 7 11 8,22 |
| | Apr. 10 | 7,636 | 15,92 | | Apr. 10 | 36,177 | 7,61 |
| | Jul. 19 | 7,559 | 16,61 | | Jul. 19 | 36,261 | 7,04 |
| | Oct. 27 | 7,477 | 17,27 | | Oct. 27 | 36,347 | 6,52 |
| | Dec. 66 | 7,391 | 17,90 | | Dec. 66 | 36,435 | 6,05 |
| 1754 | Jan. 0 | 15 32 10,364 | + 7 13 5,67 | 1764 | Jan. 1 | 15 32 39,350 | + 7 10 54,21 |
| | Apr. 10 | 10,276 | 6,27 | | Apr. 10 | 39,439 | 53,78 |
| | Jul. 19 | 10,186 | 6,81 | | Jul. 19 | 39,527 | 53,40 |
| | Oct. 27 | 10,095 | 7,30 | | Oct. 27 | 39,614 | 53,08 |
| | Dec. 66 | 10,002 | 7,73 | | Dec. 66 | 39,701 | 52,82 |
| 1755 | Jan. 0 | 15 32 12,978 | + 7 12 55,57 | 1765 | Jan. 0 | 15 32 42,618 | + 7 10 40,92 |
| | Apr. 10 | 12,885 | 55,96 | | Apr. 10 | 42,703 | 40,70 |
| | Jul. 19 | 12,793 | 56,29 | | Jul. 19 | 42,786 | 40,55 |
| | Oct. 27 | 12,703 | 56,55 | | Oct. 27 | 42,866 | 40,47 |
| | Dec. 66 | 12,615 | 56,74 | | Dec. 66 | 42,943 | 40,45 |
| 1756 | Jan. 1 | 15 32 15,589 | + 7 12 44,66 | 1766 | Jan. 0 | 15 32 45,863 | + 7 10 28,47 |
| | Apr. 10 | 15,502 | 44,81 | | Apr. 10 | 45,937 | 28,50 |
| | Jul. 19 | 15,420 | 44,88 | | Jul. 19 | 46,006 | 28,59 |
| | Oct. 27 | 15,342 | 44,88 | | Oct. 27 | 46,070 | 28,75 |
| | Dec. 66 | 15,269 | 44,80 | | Dec. 66 | 46,128 | 28,98 |
| 1757 | Jan. 0 | 15 32 18,238 | + 7 12 32,82 | 1767 | Jan. 0 | 15 32 49,054 | + 7 10 16,92 |
| | Apr. 10 | 18,168 | 32,70 | | Apr. 10 | 49,109 | 17,19 |
| | Jul. 19 | 18,105 | 32,51 | | Jul. 19 | 49,156 | 17,52 |
| | Oct. 27 | 18,048 | 32,25 | | Oct. 27 | 49,196 | 17,91 |
| | Dec. 66 | 17,998 | 31,92 | | Dec. 66 | 49,229 | 18,36 |
| 1758 | Jan. 0 | 15 32 20,959 | + 7 12 20,03 | 1768 | Jan. 1 | 15 32 52,164 | + 7 10 6,23 |
| | Apr. 10 | 20,914 | 19,66 | | Apr. 10 | 52,193 | 6,72 |
| | Jul. 19 | 20,877 | 19,23 | | Jul. 19 | 52,213 | 7,25 |
| | Oct. 27 | 20,848 | 18,75 | | Oct. 27 | 52,225 | 7,84 |
| | Dec. 66 | 20,828 | 18,21 | | Dec. 66 | 52,229 | 8,47 |
| 1759 | Jan. 0 | 15 32 23,779 | + 7 12 6,39 | 1769 | Jan. 0 | 15 32 55,174 | + 7 9 56,28 |
| | Apr. 10 | 23,764 | 5,82 | | Apr. 10 | 55,172 | 56,94 |
| | Jul. 19 | 23,757 | 5,21 | | Jul. 19 | 55,162 | 57,62 |
| | Oct. 27 | 23,758 | 4,56 | | Oct. 27 | 55,144 | 58,33 |
| | Dec. 66 | 23,768 | 3,87 | | Dec. 66 | 55,118 | 59,07 |

## Tabulae X. Sect. I. *α Serpentis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,921 | +27,0 | − 2,87 | −21,6 | −2 | +1 |
| 10 | −0,638 | +29,2 | − 4,99 | −20,6 | −2 | +2 |
| 20 | −0,337 | +30,6 | − 6,98 | −18,9 | −3 | +2 |
| 30 | −0,027 | +31,0 | − 8,77 | −16,5 | −3 | +2 |
| Febr. 9 | +0,283 | +30,7 | −10,28 | −13,7 | −3 | +2 |
| 19 | +0,586 | +29,7 | −11,48 | −10,3 | −3 | +2 |
| Mart. 1 | +0,876 | +28,2 | −12,33 | − 6,7 | −3 | +1 |
| 11 | +1,149 | +26,3 | −12,81 | − 3,0 | −2 | +1 |
| 21 | +1,401 | +24,0 | −12,93 | + 0,6 | −2 | +1 |
| 31 | +1,629 | +21,6 | −12,70 | + 3,9 | −2 | +1 |
| Apr. 10 | +1,832 | +19,0 | −12,16 | + 6,7 | −1 | +1 |
| 20 | +2,009 | +16,3 | −11,36 | + 9,1 | −1 | +1 |
| 30 | +2,158 | +13,6 | −10,35 | +11,0 | 0 | +1 |
| Maj. 10 | +2,280 | +10,8 | − 9,17 | +12,3 | 0 | +1 |
| 20 | +2,374 | + 7,9 | − 7,90 | +12,9 | +1 | +1 |
| 30 | +2,438 | + 5,0 | − 6,59 | +13,2 | +1 | +1 |
| Jun. 9 | +2,473 | + 2,0 | − 5,27 | +12,9 | +1 | +1 |
| 19 | +2,478 | − 1,0 | − 4,01 | +12,2 | +2 | +1 |
| 29 | +2,453 | − 3,9 | − 2,83 | +11,3 | +2 | +1 |
| Jul. 9 | +2,400 | − 6,7 | − 1,76 | +10,0 | +2 | +1 |
| 19 | +2,319 | − 9,4 | − 0,83 | + 8,5 | +3 | +1 |
| 29 | +2,213 | −11,6 | − 0,07 | + 6,8 | +3 | +1 |
| Aug. 8 | +2,087 | −13,5 | + 0,53 | + 5,1 | +3 | +1 |
| 18 | +1,944 | −14,8 | + 0,94 | + 3,0 | +3 | +1 |
| 28 | +1,792 | −15,4 | + 1,15 | + 1,0 | +3 | +1 |
| Sept. 7 | +1,637 | −15,3 | + 1,15 | − 1,1 | +3 | +2 |
| 17 | +1,487 | −14,3 | + 0,94 | − 3,3 | +3 | +2 |
| 27 | +1,352 | −12,3 | + 0,49 | − 5,7 | +3 | +2 |
| Oct. 7 | +1,241 | − 9,6 | − 0,19 | − 8,0 | +2 | +2 |
| 17 | +1,161 | − 6,1 | − 1,11 | −10,5 | +2 | +3 |
| 27 | +1,120 | − 1,9 | − 2,28 | −12,9 | +1 | +3 |
| Nov. 6 | +1,124 | + 2,8 | − 3,69 | −15,3 | +1 | +3 |
| 16 | +1,176 | + 7,7 | − 5,33 | −17,5 | +1 | +4 |
| 26 | +1,278 | +12,7 | − 7,18 | −19,3 | 0 | +4 |
| Dec. 6 | +1,429 | +17,4 | − 9,19 | −20,7 | 0 | +4 |
| 16 | +1,625 | +21,6 | −11,32 | −21,6 | −1 | +5 |
| 26 | +1,860 | +25,2 | −13,50 | −21,8 | −1 | +5 |
| 36 | +2,128 | +28,0 | −15,67 | −21,3 | −2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 15 31 58,2371 | + 7 13 48,730 |
| 1751 | 32 1,1815 | 13 36,697 |
| 1752 | 32 4,1260 | 13 24,667 |
| 1753 | 32 7,0706 | 13 12,642 |
| 1754 | 32 10,0152 | 13 0,619 |
| 1755 | 32 12,9600 | 12 48,600 |
| 1756 | 32 15,9048 | 12 36,584 |
| 1757 | 32 18,8496 | 12 24,572 |
| 1758 | 32 21,7945 | 12 12,563 |
| 1759 | 32 24,7394 | 12 0,558 |
| 1760 | 32 27,6843 | 11 48,556 |
| 1761 | 32 30,6294 | 11 36,558 |
| 1762 | 32 33,5745 | 11 24,563 |
| 1763 | 32 36,5197 | 11 12,572 |
| 1764 | 32 39,4650 | 11 0,584 |
| 1765 | 32 42,4103 | 10 48,600 |
| 1766 | 32 45,3557 | 10 36,619 |
| 1767 | 32 48,3012 | 10 24,642 |
| 1768 | 32 51,2467 | 10 12,668 |
| 1769 | 32 54,1923 | 10 0,698 |
| 1770 | 32 57,1379 | 9 48,731 |

Diei reducto addendum est:

ante / post } Nov. 17 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Scorpii.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 16 14 8,506 | —25 51 10,16 | 1760 | Jan. 1 | 16 14 42,617 | —25 52 32,91 |
| | Apr. 10 | 8,535 | 9,47 | | Apr. 10 | 42,619 | 33,68 |
| | Jul. 19 | 8,554 | 8,75 | | Jul. 19 | 42,632 | 34,46 |
| | Oct. 27 | 8,563 | 8,00 | | Oct. 27 | 42,654 | 35,24 |
| | Dec. 66 | 8,563 | 7,23 | | Dec. 66 | 42,686 | 36,01 |
| 1751 | Jan. 0 | 16 14 12,214 | —25 51 16,48 | 1761 | Jan. 0 | 16 14 46,326 | —25 52 44,69 |
| | Apr. 10 | 12,205 | 15,70 | | Apr. 10 | 46,365 | 45,49 |
| | Jul. 19 | 12,186 | 14,91 | | Jul. 19 | 46,413 | 46,26 |
| | Oct. 27 | 12,157 | 14,12 | | Oct. 27 | 46,470 | 47,01 |
| | Dec. 66 | 12,117 | 13,32 | | Dec. 66 | 46,535 | 47,73 |
| 1752 | Jan. 1 | 16 14 15,782 | —25 51 22,56 | 1762 | Jan. 0 | 16 14 50,164 | —25 52 56,42 |
| | Apr. 10 | 15,736 | 21,77 | | Apr. 10 | 50,235 | 57,13 |
| | Jul. 19 | 15,680 | 21,01 | | Jul. 19 | 50,312 | 57,80 |
| | Oct. 27 | 15,615 | 20,26 | | Oct. 27 | 50,396 | 58,43 |
| | Dec. 66 | 15,541 | 19,54 | | Dec. 66 | 50,487 | 59,02 |
| 1753 | Jan. 0 | 16 14 19,217 | —25 51 28,75 | 1763 | Jan. 0 | 16 14 54,108 | —25 53 7,76 |
| | Apr. 10 | 19,137 | 28,05 | | Apr. 10 | 54,203 | 8,32 |
| | Jul. 19 | 19,051 | 27,39 | | Jul. 19 | 54,301 | 8,82 |
| | Oct. 27 | 18,958 | 26,78 | | Oct. 27 | 54,403 | 9,26 |
| | Dec. 66 | 18,858 | 26,21 | | Dec. 66 | 54,508 | 9,64 |
| 1754 | Jan. 0 | 16 14 22,543 | —25 51 35,36 | 1764 | Jan. 1 | 16 14 58,125 | —25 53 18,46 |
| | Apr. 10 | 22,439 | 34,83 | | Apr. 10 | 58,233 | 18,81 |
| | Jul. 19 | 22,332 | 34,37 | | Jul. 19 | 58,342 | 19,10 |
| | Oct. 27 | 22,221 | 33,96 | | Oct. 27 | 58,452 | 19,32 |
| | Dec. 66 | 22,107 | 33,62 | | Dec. 66 | 58,563 | 19,47 |
| 1755 | Jan. 0 | 16 14 25,796 | —25 51 42,69 | 1765 | Jan. 0 | 16 15 2,178 | —25 53 28,34 |
| | Apr. 10 | 25,681 | 42,39 | | Apr. 10 | 2,288 | 28,45 |
| | Jul. 19 | 25,566 | 42,17 | | Jul. 19 | 2,396 | 28,49 |
| | Oct. 27 | 25,451 | 42,02 | | Oct. 27 | 2,502 | 28,45 |
| | Dec. 66 | 25,336 | 41,95 | | Dec. 66 | 2,605 | 28,35 |
| 1756 | Jan. 1 | 16 14 29,025 | —25 51 50,93 | 1766 | Jan. 0 | 16 15 6,223 | —25 53 37,31 |
| | Apr. 10 | 28,912 | 50,91 | | Apr. 10 | 6,324 | 37,16 |
| | Jul. 19 | 28,803 | 50,96 | | Jul. 19 | 6,419 | 36,94 |
| | Oct. 27 | 28,697 | 51,08 | | Oct. 27 | 6,509 | 36,65 |
| | Dec. 66 | 28,596 | 51,29 | | Dec. 66 | 6,594 | 36,30 |
| 1757 | Jan. 0 | 16 14 32,280 | —25 52 0,17 | 1767 | Jan. 0 | 16 15 10,219 | —25 53 45,34 |
| | Apr. 10 | 32,182 | 0,42 | | Apr. 10 | 10,300 | 44,94 |
| | Jul. 19 | 32,092 | 0,74 | | Jul. 19 | 10,372 | 44,49 |
| | Oct. 27 | 32,009 | 1,12 | | Oct. 27 | 10,437 | 43,98 |
| | Dec. 66 | 31,933 | 1,57 | | Dec. 66 | 10,494 | 43,42 |
| 1758 | Jan. 0 | 16 14 35,609 | —25 52 10,37 | 1768 | Jan. 1 | 16 15 14,128 | —25 53 52,52 |
| | Apr. 10 | 35,538 | 10,86 | | Apr. 10 | 14,179 | 51,92 |
| | Jul. 19 | 35,477 | 11,40 | | Jul. 19 | 14,221 | 51,29 |
| | Oct. 27 | 35,425 | 12,00 | | Oct. 27 | 14,252 | 50,61 |
| | Dec. 66 | 35,383 | 12,65 | | Dec. 66 | 14,274 | 49,89 |
| 1759 | Jan. 0 | 16 14 39,047 | —25 52 21,36 | 1769 | Jan. 0 | 16 15 17,921 | —25 53 59,03 |
| | Apr. 10 | 39,011 | 22,04 | | Apr. 10 | 17,936 | 58,30 |
| | Jul. 19 | 38,986 | 22,74 | | Jul. 19 | 17,940 | 57,54 |
| | Oct. 27 | 38,970 | 23,47 | | Oct. 27 | 17,934 | 56,77 |
| | Dec. 66 | 38,965 | 24,23 | | Dec. 66 | 17,918 | 55,97 |

## Tabulae X. Sect. I. *α Scorpii.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,180 | +27,9 | + 4,27 | − 5,0 | −3 | −1 | 1750 | 16 14 7,3354 | −25 51 5,722 |
| 10 | −0,886 | +30,6 | + 3,69 | − 6,6 | −3 | −1 | 1751 | 14 10,9853 | 51 14,708 |
| 20 | −0,568 | +32,6 | + 2,95 | − 7,9 | −3 | 0 | 1752 | 14 14,6354 | 51 23,688 |
| 30 | −0,234 | +33,7 | + 2,11 | − 8,8 | −4 | 0 | 1753 | 14 18,2857 | 51 32,664 |
| Febr. 9 | +0,106 | +34,0 | + 1,20 | − 9,3 | −4 | +1 | 1754 | 14 21,9361 | 51 41,634 |
| | | | | | | | 1755 | 14 25,5867 | 51 50,600 |
| 19 | +0,446 | +33,7 | + 0,25 | − 9,5 | −4 | +1 | 1756 | 14 29,2374 | 51 59,561 |
| Mart. 1 | +0,779 | +32,8 | − 0,70 | − 9,4 | −3 | +2 | 1757 | 14 32,8883 | 52 8,517 |
| 11 | +1,101 | +31,4 | − 1,62 | − 9,0 | −3 | +2 | 1758 | 14 36,5393 | 52 17,469 |
| 21 | +1,407 | +29,7 | − 2,49 | − 8,4 | −3 | +3 | 1759 | 14 40,1905 | 52 26,415 |
| 31 | +1,695 | +27,8 | − 3,29 | − 7,7 | −2 | +3 | 1760 | 14 43,8419 | 52 35,357 |
| | | | | | | | 1761 | 14 47,4934 | 52 44,294 |
| Apr. 10 | +1,962 | +25,6 | − 4,02 | − 7,0 | −2 | +3 | 1762 | 14 51,1451 | 52 53,226 |
| 20 | +2,206 | +23,2 | − 4,68 | − 6,3 | −1 | +4 | 1763 | 14 54,7969 | 53 2,153 |
| 30 | +2,426 | +20,6 | − 5,28 | − 5,7 | −1 | +4 | 1764 | 14 58,4489 | 53 11,075 |
| Maj. 10 | +2,617 | +17,7 | − 5,82 | − 5,2 | 0 | +4 | 1765 | 15 2,1011 | 53 19,993 |
| 20 | +2,779 | +14,6 | − 6,31 | − 4,7 | +1 | +4 | 1766 | 15 5,7534 | 53 28,905 |
| | | | | | | | 1767 | 15 9,4059 | 53 37,813 |
| 30 | +2,909 | +11,3 | − 6,76 | − 4,3 | +1 | +4 | 1768 | 15 13,0585 | 53 46,716 |
| Jun. 9 | +3,005 | + 7,8 | − 7,16 | − 3,8 | +2 | +4 | 1769 | 15 16,7113 | 53 55,614 |
| 19 | +3,065 | + 4,1 | − 7,52 | − 3,4 | +2 | +4 | 1770 | 15 20,3641 | 54 4,507 |
| 29 | +3,087 | + 0,3 | − 7,83 | − 2,9 | +3 | +4 | | | |
| Jul. 9 | +3,071 | − 3,5 | − 8,09 | − 2,2 | +4 | +4 | | | |
| 19 | +3,018 | − 7,1 | − 8,27 | − 1,4 | +4 | +4 | | | |
| 29 | +2,929 | −10,5 | − 8,37 | − 0,6 | +4 | +3 | | | |
| Aug. 8 | +2,809 | −13,3 | − 8,38 | + 0,5 | +4 | +3 | | | |
| 18 | +2,663 | −15,6 | − 8,28 | + 1,5 | +5 | +3 | | | |
| 28 | +2,498 | −17,0 | − 8,08 | + 2,6 | +5 | +2 | | | |
| Sept. 7 | +2,323 | −17,5 | − 7,76 | + 3,7 | +5 | +2 | | | |
| 17 | +2,148 | −17,0 | − 7,35 | + 4,6 | +4 | +2 | | | |
| 27 | +1,983 | −15,5 | − 6,85 | + 5,2 | +4 | +2 | | | |
| Oct. 7 | +1,838 | −12,9 | − 6,31 | + 5,6 | +4 | +1 | | | |
| 17 | +1,725 | − 9,3 | − 5,74 | + 5,6 | +3 | +1 | | | |
| 27 | +1,652 | − 4,9 | − 5,19 | + 5,2 | +3 | +1 | | | |
| Nov. 6 | +1,628 | + 0,2 | − 4,70 | + 4,4 | +2 | +1 | | | |
| 16 | +1,656 | + 5,6 | − 4,31 | + 3,2 | +2 | +2 | | | |
| 26 | +1,740 | +11,1 | − 4,06 | + 1,7 | +1 | +2 | | | |
| Dec. 6 | +1,878 | +16,4 | − 3,98 | − 0,2 | 0 | +2 | | | |
| 16 | +2,068 | +21,3 | − 4,09 | − 2,1 | 0 | +3 | | | |
| 26 | +2,304 | +25,5 | − 4,39 | − 3,9 | −1 | +3 | | | |
| 36 | +2,578 | +29,0 | − 4,87 | − 5,6 | −1 | +4 | | | |

Diei reducto addendum est:

ante } Nov. 27 { + 1
post } Nov. 27 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Herculis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 17 3 16,495 | +14 41 39,63 | 1760 | Jan. 1 | 17 3 41,966 | +14 40 55,29 |
| | Apr. 10 | 16,505 | 40,40 | | Apr. 10 | 41,980 | 54,47 |
| | Jul. 19 | 16,507 | 41,19 | | Jul. 19 | 42,001 | 53,66 |
| | Oct. 27 | 16,501 | 41,99 | | Oct. 27 | 42,029 | 52,86 |
| | Dec. 66 | 16,488 | 42,81 | | Dec. 66 | 42,065 | 52,06 |
| 1751 | Jan. 0 | 17 3 19,221 | +14 41 37,65 | 1761 | Jan. 0 | 17 3 44,781 | +14 40 47,48 |
| | Apr. 10 | 19,202 | 38,47 | | Apr. 10 | 44,821 | 46,70 |
| | Jul. 19 | 19,176 | 39,29 | | Jul. 19 | 44,867 | 45,95 |
| | Oct. 27 | 19,143 | 40,09 | | Oct. 27 | 44,919 | 45,22 |
| | Dec. 66 | 19,102 | 40,89 | | Dec. 66 | 44,977 | 44,53 |
| 1752 | Jan. 1 | 17 3 21,844 | +14 41 35,74 | 1762 | Jan. 0 | 17 3 47,686 | +14 40 39,92 |
| | Apr. 10 | 21,799 | 36,53 | | Apr. 10 | 47,747 | 39,26 |
| | Jul. 19 | 21,747 | 37,27 | | Jul. 19 | 47,813 | 38,64 |
| | Oct. 27 | 21,689 | 37,98 | | Oct. 27 | 47,883 | 38,08 |
| | Dec. 66 | 21,624 | 38,66 | | Dec. 66 | 47,957 | 37,56 |
| 1753 | Jan. 0 | 17 3 24,374 | +14 41 33,56 | 1763 | Jan. 0 | 17 3 50,660 | +14 40 32,89 |
| | Apr. 10 | 24,307 | 34,21 | | Apr. 10 | 50,736 | 32,41 |
| | Jul. 19 | 24,235 | 34,80 | | Jul. 19 | 50,814 | 32,00 |
| | Oct. 27 | 24,159 | 35,33 | | Oct. 27 | 50,894 | 31,65 |
| | Dec. 66 | 24,079 | 35,81 | | Dec. 66 | 50,975 | 31,37 |
| 1754 | Jan. 0 | 17 3 26,834 | +14 41 30,79 | 1764 | Jan. 1 | 17 3 53,676 | +14 40 26,63 |
| | Apr. 10 | 26,752 | 31,22 | | Apr. 10 | 53,758 | 26,39 |
| | Jul. 19 | 26,668 | 31,59 | | Jul. 19 | 53,840 | 26,22 |
| | Oct. 27 | 26,583 | 31,88 | | Oct. 27 | 53,922 | 26,12 |
| | Dec. 66 | 26,497 | 32,10 | | Dec. 66 | 54,003 | 26,10 |
| 1755 | Jan. 0 | 17 3 29,254 | +14 41 27,17 | 1765 | Jan. 0 | 17 3 56,704 | +14 40 21,27 |
| | Apr. 10 | 29,167 | 27,34 | | Apr. 10 | 56,784 | 21,30 |
| | Jul. 19 | 29,082 | 27,43 | | Jul. 19 | 56,861 | 21,39 |
| | Oct. 27 | 28,998 | 27,44 | | Oct. 27 | 56,935 | 21,56 |
| | Dec. 66 | 28,916 | 27,37 | | Dec. 66 | 57,007 | 21,80 |
| 1756 | Jan. 1 | 17 3 31,671 | +14 41 22,54 | 1766 | Jan. 0 | 17 3 59,712 | +14 40 16,89 |
| | Apr. 10 | 31,591 | 22,42 | | Apr. 10 | 59,781 | 17,17 |
| | Jul. 19 | 31,514 | 22,23 | | Jul. 19 | 59,845 | 17,52 |
| | Oct. 27 | 31,442 | 21,97 | | Oct. 27 | 59,904 | 17,93 |
| | Dec. 66 | 31,373 | 21,63 | | Dec. 66 | 59,959 | 18,41 |
| 1757 | Jan. 0 | 17 3 34,123 | +14 41 16,89 | 1767 | Jan. 0 | 17 4 2,670 | +14 40 13,42 |
| | Apr. 10 | 34,058 | 16,50 | | Apr. 10 | 2,721 | 13,94 |
| | Jul. 19 | 33,999 | 16,05 | | Jul. 19 | 2,765 | 14,51 |
| | Oct. 27 | 33,945 | 15,54 | | Oct. 27 | 2,803 | 15,13 |
| | Dec. 66 | 33,900 | 14,96 | | Dec. 66 | 2,834 | 15,80 |
| 1758 | Jan. 0 | 17 3 36,643 | +14 41 10,31 | 1768 | Jan. 1 | 17 4 5,553 | +14 40 10,75 |
| | Apr. 10 | 36,601 | 9,70 | | Apr. 10 | 5,580 | 11,45 |
| | Jul. 19 | 36,566 | 9,04 | | Jul. 19 | 5,599 | 12,18 |
| | Oct. 27 | 36,539 | 8,35 | | Oct. 27 | 5,611 | 12,93 |
| | Dec. 66 | 36,519 | 7,61 | | Dec. 66 | 5,615 | 13,72 |
| 1759 | Jan. 0 | 17 3 39,253 | +14 41 3,01 | 1769 | Jan. 0 | 17 4 8,343 | +14 40 8,64 |
| | Apr. 10 | 39,238 | 2,25 | | Apr. 10 | 8,341 | 9,44 |
| | Jul. 19 | 39,232 | 1,48 | | Jul. 19 | 8,332 | 10,25 |
| | Oct. 27 | 39,232 | 0,68 | | Oct. 27 | 8,316 | 11,07 |
| | Dec. 66 | 39,241 | 40 59,87 | | Dec. 66 | 8,292 | 11,89 |

## Tabulae X. Sect. I. *α Herculis.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,258 | +19,5 | − 2,89 | −23,6 | −1 | +1 |
| 10 | −1,045 | +22,8 | − 5,21 | −22,7 | −1 | +1 |
| 20 | −0,802 | +25,5 | − 7,42 | −21,0 | −2 | +1 |
| 30 | −0,535 | +27,6 | − 9,40 | −18,4 | −2 | +1 |
| Febr. 9 | −0,251 | +28,9 | −11,10 | −15,3 | −2 | +1 |
| 19 | +0,042 | +29,5 | −12,45 | −11,5 | −3 | +1 |
| Mart. 1 | +0,338 | +29,5 | −13,39 | − 7,3 | −3 | +1 |
| 11 | +0,632 | +29,1 | −13,90 | − 2,9 | −3 | +1 |
| 21 | +0,919 | +28,2 | −13,97 | + 1,5 | −2 | +1 |
| 31 | +1,196 | +27,0 | −13,61 | + 5,7 | −2 | +1 |
| Apr. 10 | +1,458 | +25,3 | −12,84 | + 9,5 | −2 | +1 |
| 20 | +1,702 | +23,4 | −11,72 | +12,7 | −2 | +1 |
| 30 | +1,925 | +21,1 | −10,30 | +15,4 | −1 | +1 |
| Maj. 10 | +2,124 | +18,6 | − 8,64 | +17,5 | −1 | +1 |
| 20 | +2,296 | +15,8 | − 6,80 | +18,9 | −1 | +1 |
| 30 | +2,439 | +12,7 | − 4,87 | +19,5 | 0 | +1 |
| Jun. 9 | +2,549 | + 9,2 | − 2,91 | +19,5 | 0 | +1 |
| 19 | +2,623 | + 5,7 | − 0,97 | +19,0 | +1 | +1 |
| 29 | +2,662 | + 2,0 | + 0,88 | +17,9 | +1 | +1 |
| Jul. 9 | +2,663 | − 1,8 | + 2,61 | +16,4 | +1 | +1 |
| 19 | +2,626 | − 5,5 | + 4,16 | +14,5 | +2 | +1 |
| 29 | +2,554 | − 8,9 | + 5,50 | +12,3 | +2 | +1 |
| Aug. 8 | +2,448 | −12,1 | + 6,62 | + 9,9 | +2 | +1 |
| 18 | +2,312 | −14,7 | + 7,48 | + 7,3 | +2 | +2 |
| 28 | +2,154 | −16,7 | + 8,08 | + 4,7 | +3 | +2 |
| Sept. 7 | +1,978 | −18,0 | + 8,41 | + 1,8 | +3 | +2 |
| 17 | +1,795 | −18,3 | + 8,44 | − 1,1 | +3 | +2 |
| 27 | +1,613 | −17,7 | + 8,19 | − 4,1 | +3 | +2 |
| Oct. 7 | +1,442 | −16,1 | + 7,63 | − 7,1 | +3 | +3 |
| 17 | +1,291 | −13,7 | + 6,78 | −10,0 | +2 | +3 |
| 27 | +1,169 | −10,4 | + 5,64 | −12,9 | +2 | +3 |
| Nov. 6 | +1,084 | − 6,3 | + 4,21 | −15,7 | +2 | +4 |
| 16 | +1,043 | − 1,8 | + 2,51 | −18,2 | +1 | +4 |
| 26 | +1,049 | + 3,1 | + 0,57 | −20,4 | +1 | +4 |
| Dec. 6 | +1,104 | + 7,9 | − 1,57 | −22,1 | +1 | +4 |
| 16 | +1,207 | +12,6 | − 3,85 | −23,2 | 0 | +4 |
| 26 | +1,356 | +16,0 | − 6,21 | −23,7 | 0 | +5 |
| 36 | +1,546 | +20,8 | − 8,58 | −23,4 | −1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 17 3 15,5936 | +14 41 42,874 |
| 1751 | 3 18,3215 | 41 37,991 |
| 1752 | 3 21,0494 | 41 33,112 |
| 1753 | 3 23,7773 | 41 28,237 |
| 1754 | 3 26,5053 | 41 23,366 |
| 1755 | 3 29,2333 | 41 18,500 |
| 1756 | 3 31,9614 | 41 13,637 |
| 1757 | 3 34,6894 | 41 8,778 |
| 1758 | 3 37,4176 | 41 3,923 |
| 1759 | 3 40,1457 | 40 59,072 |
| 1760 | 3 42,8739 | 40 54,223 |
| 1761 | 3 45,6021 | 40 49,379 |
| 1762 | 3 48,3304 | 40 44,539 |
| 1763 | 3 51,0587 | 40 39,703 |
| 1764 | 3 53,7870 | 40 34,871 |
| 1765 | 3 56,5154 | 40 30,043 |
| 1766 | 3 59,2438 | 40 25,219 |
| 1767 | 4 1,9723 | 40 20,399 |
| 1768 | 4 4,7008 | 40 15,582 |
| 1769 | 4 7,4293 | 40 10,769 |
| 1770 | 4 10,1579 | 40 5,960 |

Diei reducto addendum est:

ante } Dec. 8 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Ophiuchi.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 17h 23′ 21″,546 | +12° 45′ 41″,46 | 1760 | Jan. 1 | 17h 23′ 47″,458 | +12° 45′ 10″,81 |
| | Apr. 10 | 21,557 | 42,25 | | Apr. 10 | 47,470 | 9,99 |
| | Jul. 19 | 21,561 | 43,06 | | Jul. 19 | 47,490 | 9,18 |
| | Oct. 27 | 21,557 | 43,87 | | Oct. 27 | 47,517 | 8,37 |
| | Dec. 66 | 21,545 | 44,70 | | Dec. 66 | 47,552 | 7,58 |
| 1751 | Jan. 0 | 17 23 24,324 | +12 45 41,02 | 1761 | Jan. 0 | 17 23 50,315 | +12 45 4,48 |
| | Apr. 10 | 24,307 | 41,85 | | Apr. 10 | 50,354 | 3,71 |
| | Jul. 19 | 24,282 | 42,66 | | Jul. 19 | 50,400 | 2,97 |
| | Oct. 27 | 24,249 | 43,46 | | Oct. 27 | 50,451 | 2,27 |
| | Dec. 66 | 24,209 | 44,25 | | Dec. 66 | 50,509 | 1,60 |
| 1752 | Jan. 1 | 17 23 26,998 | +12 45 40,59 | 1762 | Jan. 0 | 17 23 53,264 | +12 44 58,46 |
| | Apr. 10 | 26,953 | 41,35 | | Apr. 10 | 53,325 | 57,82 |
| | Jul. 19 | 26,901 | 42,08 | | Jul. 19 | 53,391 | 57,24 |
| | Oct. 27 | 26,844 | 42,77 | | Oct. 27 | 53,461 | 56,71 |
| | Dec. 66 | 26,780 | 43,42 | | Dec. 66 | 53,536 | 56,23 |
| 1753 | Jan. 0 | 17 23 29,577 | +12 45 39,81 | 1763 | Jan. 0 | 17 23 56,285 | +12 44 53,03 |
| | Apr. 10 | 29,509 | 40,43 | | Apr. 10 | 56,362 | 52,60 |
| | Jul. 19 | 29,437 | 40,98 | | Jul. 19 | 36,440 | 52,23 |
| | Oct. 27 | 29,361 | 41,48 | | Oct. 27 | 56,521 | 51,93 |
| | Dec. 66 | 29,280 | 41,91 | | Dec. 66 | 56,603 | 51,69 |
| 1754 | Jan. 0 | 17 23 32,082 | +12 45 38,39 | 1764 | Jan. 1 | 17 23 59,351 | +12 44 48,41 |
| | Apr. 10 | 31,999 | 38,78 | | Apr. 10 | 59,434 | 48,22 |
| | Jul. 19 | 31,915 | 39,09 | | Jul. 19 | 59,517 | 48,11 |
| | Oct. 27 | 31,829 | 39,33 | | Oct. 27 | 59,600 | 48,06 |
| | Dec. 66 | 31,741 | 39,50 | | Dec. 66 | 59,682 | 48,09 |
| 1755 | Jan. 0 | 17 23 34,545 | +12 45 36,06 | 1765 | Jan. 0 | 17 24 2,430 | +12 44 44,73 |
| | Apr. 10 | 34,457 | 36,18 | | Apr. 10 | 2,511 | 44,80 |
| | Jul. 19 | 34,371 | 36,21 | | Jul. 19 | 2,590 | 44,95 |
| | Oct. 27 | 34,285 | 36,17 | | Oct. 27 | 2,666 | 45,17 |
| | Dec. 66 | 34,201 | 36,05 | | Dec. 66 | 2,739 | 45,46 |
| 1756 | Jan. 1 | 17 23 37,004 | +12 45 32,72 | 1766 | Jan. 0 | 17 24 5,490 | +12 44 42,02 |
| | Apr. 10 | 36,921 | 32,55 | | Apr. 10 | 5,561 | 42,35 |
| | Jul. 19 | 36,843 | 32,30 | | Jul. 19 | 5,627 | 42,75 |
| | Oct. 27 | 36,768 | 31,98 | | Oct. 27 | 5,688 | 43,21 |
| | Dec. 66 | 36,698 | 31,58 | | Dec. 66 | 5,745 | 43,74 |
| 1757 | Jan. 0 | 17 23 39,496 | +12 45 28,34 | 1767 | Jan. 0 | 17 24 8,502 | +12 44 40,22 |
| | Apr. 10 | 39,428 | 27,90 | | Apr. 10 | 8,555 | 40,78 |
| | Jul. 19 | 39,367 | 27,40 | | Jul. 19 | 8,601 | 41,39 |
| | Oct. 27 | 39,312 | 26,85 | | Oct. 27 | 8,641 | 42,05 |
| | Dec. 66 | 39,264 | 26,23 | | Dec. 66 | 8,674 | 42,75 |
| 1758 | Jan. 0 | 17 23 42,054 | +12 45 23,07 | 1768 | Jan. 1 | 17 24 11,439 | +12 44 39,18 |
| | Apr. 10 | 42,010 | 22,42 | | Apr. 10 | 11,467 | 39,91 |
| | Jul. 19 | 41,974 | 21,73 | | Jul. 19 | 11,488 | 40,66 |
| | Oct. 27 | 41,945 | 21,00 | | Oct. 27 | 11,501 | 41,44 |
| | Dec. 66 | 41,923 | 20,23 | | Dec. 66 | 11,507 | 42,25 |
| 1759 | Jan. 0 | 17 23 44,704 | +12 45 17,12 | 1769 | Jan. 0 | 17 24 14,281 | +12 44 38,65 |
| | Apr. 10 | 44,688 | 16,34 | | Apr. 10 | 14,281 | 39,46 |
| | Jul. 19 | 44,679 | 15,54 | | Jul. 19 | 14,274 | 40,28 |
| | Oct. 27 | 44,679 | 14,73 | | Oct. 27 | 14,259 | 41,10 |
| | Dec. 66 | 44,686 | 13,90 | | Dec. 66 | 14,236 | 41,93 |

## Tabulae X. Sect. I. *α Ophiuchi.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,288 | +17,7 | − 2,25 | −22,4 | −1 | +1 |
| 10 | −1,093 | +21,2 | − 4,47 | −21,8 | −1 | +1 |
| 20 | −0,865 | +24,1 | − 6,60 | −20,3 | −2 | +1 |
| 30 | −0,612 | +26,3 | − 8,53 | −18,1 | −2 | +1 |
| Febr. 9 | −0,340 | +27,9 | −10,21 | −15,2 | −2 | +1 |
| 19 | −0,055 | +28,8 | −11,56 | −11,6 | −2 | +1 |
| Mart. 1 | +0,236 | +29,2 | −12,53 | − 7,6 | −3 | +1 |
| 11 | +0,528 | +29,1 | −13,08 | − 3,5 | −3 | +1 |
| 21 | +0,817 | +28,5 | −13,22 | + 0,8 | −2 | +1 |
| 31 | +1,098 | +27,6 | −12,93 | + 4,9 | −2 | +1 |
| Apr. 10 | +1,368 | +26,3 | −12,25 | + 8,6 | −2 | +1 |
| 20 | +1,624 | +24,7 | −11,21 | +11,9 | −2 | +1 |
| 30 | +1,861 | +22,7 | − 9,87 | +14,7 | −2 | +1 |
| Maj. 10 | +2,077 | +20,3 | − 8,28 | +16,8 | −1 | +1 |
| 20 | +2,267 | +17,6 | − 6,52 | +18,2 | −1 | +1 |
| 30 | +2,429 | +14,6 | − 4,64 | +19,0 | 0 | +1 |
| Jun. 9 | +2,559 | +11,3 | − 2,72 | +19,2 | 0 | +1 |
| 19 | +2,654 | + 7,7 | − 0,81 | +18,7 | 0 | +1 |
| 29 | +2,713 | + 4,0 | + 1,02 | +17,8 | +1 | +1 |
| Jul. 9 | +2,733 | + 0,1 | + 2,74 | +16,4 | +1 | +1 |
| 19 | +2,714 | − 3,8 | + 4,30 | +14,7 | +2 | +1 |
| 29 | +2,657 | − 7,5 | + 5,67 | +12,7 | +2 | +2 |
| Aug. 8 | +2,565 | −10,8 | + 6,83 | +10,4 | +2 | +2 |
| 18 | +2,441 | −13,7 | + 7,75 | + 8,0 | +2 | +2 |
| 28 | +2,291 | −16,0 | + 8,42 | + 5,4 | +3 | +2 |
| Sept. 7 | +2,121 | −17,6 | + 8,82 | + 2,7 | +3 | +2 |
| 17 | +1,940 | −18,2 | + 8,96 | 0,0 | +3 | +3 |
| 27 | +1,757 | −17,9 | + 8,82 | − 2,9 | +3 | +3 |
| Oct. 7 | +1,582 | −16,7 | + 8,39 | − 5,7 | +3 | +3 |
| 17 | +1,423 | −14,5 | + 7,63 | − 8,5 | +2 | +3 |
| 27 | +1,292 | −11,4 | + 6,69 | −11,3 | +2 | +4 |
| Nov. 6 | +1,195 | − 7,7 | + 5,42 | −14,0 | +2 | +4 |
| 16 | +1,139 | − 3,3 | + 3,89 | −16,5 | +2 | +4 |
| 26 | +1,129 | + 1,4 | + 2,12 | −18,7 | +1 | +4 |
| Dec. 6 | +1,167 | + 6,2 | + 0,15 | −20,5 | +1 | +5 |
| 16 | +1,252 | +10,8 | − 1,98 | −21,8 | 0 | +5 |
| 26 | +1,383 | +15,4 | − 4,21 | −22,4 | 0 | +5 |
| 36 | +1,556 | +19,1 | − 6,46 | −22,3 | −1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 17 23 20,6339 | +12 45 44,172 |
| 1751 | 23 23,4084 | 45 40,770 |
| 1752 | 23 26,1829 | 45 37,371 |
| 1753 | 23 28,9575 | 45 33,977 |
| 1754 | 23 31,7321 | 45 30,586 |
| 1755 | 23 34,5067 | 45 27,200 |
| 1756 | 23 37,2814 | 45 23,817 |
| 1757 | 23 40,0561 | 45 20,439 |
| 1758 | 23 42,8308 | 45 17,064 |
| 1759 | 23 45,6056 | 45 13,694 |
| 1760 | 23 48,3804 | 45 10,327 |
| 1761 | 23 51,1552 | 45 6,965 |
| 1762 | 23 53,9301 | 45 3,606 |
| 1763 | 23 56,7050 | 45 0,252 |
| 1764 | 23 59,4799 | 44 56,901 |
| 1765 | 24 2,2550 | 44 53,555 |
| 1766 | 24 5,0300 | 44 50,213 |
| 1767 | 24 7,8051 | 44 46,874 |
| 1768 | 24 10,5802 | 44 43,540 |
| 1769 | 24 13,3553 | 44 40,209 |
| 1770 | 24 16,1304 | 44 36,883 |

Diei reducto addendum est:

ante } Dec. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Lyrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 18 28 29,279 | +38 33 56,71 | 1760 | Jan. 1 | 18 28 48,243 | +38 34 23,90 |
| | Apr. 10 | 29,294 | 57,53 | | Apr. 10 | 48,245 | 23,09 |
| | Jul. 19 | 29,304 | 58,35 | | Jul. 19 | 48,253 | 22,31 |
| | Oct. 27 | 29,308 | 59,17 | | Oct. 27 | 48,266 | 21,56 |
| | Dec. 66 | 29,306 | 59,98 | | Dec. 66 | 48,285 | 20,84 |
| 1751 | Jan. 0 | 18 28 31,336 | +38 34 2,47 | 1761 | Jan. 0 | 18 28 50,307 | +38 34 23,86 |
| | Apr. 10 | 31,330 | 3,27 | | Apr. 10 | 50,330 | 23,16 |
| | Jul. 19 | 31,318 | 4,04 | | Jul. 19 | 50,357 | 22,51 |
| | Oct. 27 | 31,301 | 4,78 | | Oct. 27 | 50,389 | 21,91 |
| | Dec. 66 | 31,278 | 5,49 | | Dec. 66 | 50,426 | 21,35 |
| 1752 | Jan. 1 | 18 28 33,315 | +38 34 8,02 | 1762 | Jan. 0 | 18 28 52,442 | +38 34 24,32 |
| | Apr. 10 | 33,288 | 8,70 | | Apr. 10 | 52,482 | 23,80 |
| | Jul. 19 | 33,257 | 9,33 | | Jul. 19 | 52,525 | 23,35 |
| | Oct. 27 | 33,220 | 9,91 | | Oct. 27 | 52,572 | 22,96 |
| | Dec. 66 | 33,179 | 10,43 | | Dec. 66 | 52,623 | 22,63 |
| 1753 | Jan. 0 | 18 28 35,222 | +38 34 13,03 | 1763 | Jan. 0 | 18 28 54,634 | +38 34 25,53 |
| | Apr. 10 | 35,177 | 13,51 | | Apr. 10 | 54,687 | 25,25 |
| | Jul. 19 | 35,129 | 13,92 | | Jul. 19 | 54,742 | 25,03 |
| | Oct. 27 | 35,077 | 14,26 | | Oct. 27 | 54,799 | 24,89 |
| | Dec. 66 | 35,021 | 14,54 | | Dec. 66 | 54,858 | 24,82 |
| 1754 | Jan. 0 | 18 28 37,069 | +38 34 17,22 | 1764 | Jan. 1 | 18 28 56,867 | +38 34 27,64 |
| | Apr. 10 | 37,011 | 17,45 | | Apr. 10 | 56,927 | 27,62 |
| | Jul. 19 | 36,952 | 17,59 | | Jul. 19 | 56,987 | 27,67 |
| | Oct. 27 | 36,890 | 17,66 | | Oct. 27 | 57,047 | 27,80 |
| | Dec. 66 | 36,827 | 17,65 | | Dec. 66 | 57,108 | 27,99 |
| 1755 | Jan. 0 | 18 28 38,877 | +38 34 20,43 | 1765 | Jan. 0 | 18 28 59,117 | +38 34 30,72 |
| | Apr. 10 | 38,813 | 20,36 | | Apr. 10 | 59,177 | 30,97 |
| | Jul. 19 | 38,750 | 20,22 | | Jul. 19 | 59,236 | 31,28 |
| | Oct. 27 | 38,687 | 20,00 | | Oct. 27 | 59,294 | 31,66 |
| | Dec. 66 | 38,624 | 19,71 | | Dec. 66 | 59,351 | 32,10 |
| 1756 | Jan. 1 | 18 28 40,674 | +38 34 22,59 | 1766 | Jan. 0 | 18 29 1,361 | +38 34 34,75 |
| | Apr. 10 | 40,611 | 22,25 | | Apr. 10 | 1,417 | 35,23 |
| | Jul. 19 | 40,551 | 21,84 | | Jul. 19 | 1,469 | 35,77 |
| | Oct. 27 | 40,494 | 21,36 | | Oct. 27 | 1,518 | 36,36 |
| | Dec. 66 | 40,439 | 20,82 | | Dec. 66 | 1,564 | 37,00 |
| 1757 | Jan. 0 | 18 28 42,486 | +38 34 23,78 | 1767 | Jan. 0 | 18 29 3,578 | +38 34 39,59 |
| | Apr. 10 | 42,433 | 23,20 | | Apr. 10 | 3,622 | 40,26 |
| | Jul. 19 | 42,383 | 22,57 | | Jul. 19 | 3,661 | 40,97 |
| | Oct. 27 | 42,338 | 21,89 | | Oct. 27 | 3,696 | 41,72 |
| | Dec. 66 | 42,297 | 21,17 | | Dec. 66 | 3,726 | 42,50 |
| 1758 | Jan. 0 | 18 28 44,339 | +38 34 24,20 | 1768 | Jan. 1 | 18 29 5,745 | +38 34 45,04 |
| | Apr. 10 | 44,301 | 23,45 | | Apr. 10 | 5,772 | 45,84 |
| | Jul. 19 | 44,269 | 22,68 | | Jul. 19 | 5,794 | 46,64 |
| | Oct. 27 | 44,242 | 21,89 | | Oct. 27 | 5,811 | 47,46 |
| | Dec. 66 | 44,220 | 21,07 | | Dec. 66 | 5,822 | 48,28 |
| 1759 | Jan. 0 | 18 28 46,254 | +38 34 24,13 | 1769 | Jan. 0 | 18 29 7,848 | +38 34 50,82 |
| | Apr. 10 | 46,236 | 23,30 | | Apr. 10 | 7,855 | 51,65 |
| | Jul. 19 | 46,223 | 22,48 | | Jul. 19 | 7,856 | 52,46 |
| | Oct. 27 | 46,216 | 21,66 | | Oct. 27 | 7,852 | 53,26 |
| | Dec. 66 | 46,214 | 20,84 | | Dec. 66 | 7,842 | 54,04 |

## Tabulae X. Sect. I. *α Lyrae.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,700 | + 9,1 | − 0,98 | −31,2 | 0 | +2 |
| 10 | −1,584 | +14,0 | − 4,10 | −30,8 | −1 | +2 |
| 20 | −1,420 | +18,6 | − 7,13 | −29,3 | −1 | +2 |
| 30 | −1,212 | +22,6 | − 9,96 | −26,8 | −1 | +2 |
| Febr. 9 | −0,968 | +26,0 | −12,49 | −23,2 | −2 | +2 |
| 19 | −0,692 | +28,8 | −14,60 | −18,7 | −2 | +2 |
| Mart. 1 | −0,392 | +30,9 | −16,22 | −13,5 | −2 | +1 |
| 11 | −0,074 | +32,4 | −17,29 | − 7,8 | −2 | +1 |
| 21 | +0,256 | +33,2 | −17,78 | − 1,9 | −2 | +1 |
| 31 | +0,589 | +33,3 | −17,67 | + 4,1 | −2 | 0 |
| Apr. 10 | +0,921 | +32,8 | −16,97 | + 9,8 | −2 | 0 |
| 20 | +1,244 | +31,5 | −15,72 | +15,0 | −2 | 0 |
| 30 | +1,551 | +29,6 | −13,98 | +19,6 | −2 | 0 |
| Maj. 10 | +1,836 | +27,2 | −11,81 | +23,5 | −2 | 0 |
| 20 | +2,094 | +24,1 | − 9,29 | +26,6 | −1 | 0 |
| 30 | +2,317 | +20,4 | − 6,50 | +28,7 | −1 | 0 |
| Jun. 9 | +2,502 | +16,4 | − 3,55 | +30,0 | 0 | 0 |
| 19 | +2,644 | +11,9 | − 0,51 | +30,4 | 0 | 0 |
| 29 | +2,739 | + 7,0 | + 2,53 | +30,1 | 0 | 0 |
| Jul. 9 | +2,784 | + 2,1 | + 5,50 | +28,9 | +1 | 0 |
| 19 | +2,780 | − 3,0 | + 8,31 | +27,0 | +1 | 0 |
| 29 | +2,725 | − 7,9 | +10,90 | +24,6 | +1 | 0 |
| Aug. 8 | +2,623 | −12,5 | +13,22 | +22,0 | +2 | +1 |
| 18 | +2,476 | −16,6 | +15,23 | +18,3 | +2 | +1 |
| 28 | +2,291 | −20,1 | +16,87 | +14,5 | +2 | +1 |
| Sept. 7 | +2,074 | −22,9 | +18,12 | +10,4 | +2 | +1 |
| 17 | +1,834 | −24,7 | +18,95 | + 6,1 | +2 | +2 |
| 27 | +1,580 | −25,6 | +19,34 | + 1,6 | +2 | +2 |
| Oct. 7 | +1,323 | −25,4 | +19,27 | − 3,0 | +2 | +3 |
| 17 | +1,073 | −24,1 | +18,74 | − 7,6 | +2 | +3 |
| 27 | +0,841 | −21,8 | +17,76 | −12,1 | +2 | +3 |
| Nov. 6 | +0,637 | −18,6 | +16,33 | −16,5 | +2 | +4 |
| 16 | +0,470 | −14,6 | +14,47 | −20,6 | +2 | +4 |
| 26 | +0,346 | − 9,9 | +12,22 | −24,2 | +1 | +4 |
| Dec. 6 | +0,272 | − 4,8 | + 9,64 | −27,2 | +1 | +5 |
| 16 | +0,250 | + 0,5 | + 6,79 | −29,4 | +1 | +5 |
| 26 | +0,282 | + 5,8 | + 3,76 | −30,8 | 0 | +5 |
| 36 | +0,367 | +11,0 | + 0,63 | −31,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 18 28 28,6301 | +38 33 57,574 |
| 1751 | 28 30,6589 | 34 0,334 |
| 1752 | 28 32,6877 | 34 3,096 |
| 1753 | 28 34,7165 | 34 5,861 |
| 1754 | 28 36,7452 | 34 8,630 |
| 1755 | 28 38,7740 | 34 11,400 |
| 1756 | 28 40,8028 | 34 14,175 |
| 1757 | 28 42,8317 | 34 16,952 |
| 1758 | 28 44,8606 | 34 19,732 |
| 1759 | 28 46,8895 | 34 22,514 |
| 1760 | 28 48,9184 | 34 25,300 |
| 1761 | 28 50,9473 | 34 28,089 |
| 1762 | 28 52,9762 | 34 30,881 |
| 1763 | 28 55,0051 | 34 33,676 |
| 1764 | 28 57,0341 | 34 36,473 |
| 1765 | 28 59,0631 | 34 39,273 |
| 1766 | 29 1,0921 | 34 42,076 |
| 1767 | 29 3,1211 | 34 44,882 |
| 1768 | 29 5,1501 | 34 47,691 |
| 1769 | 29 7,1791 | 34 50,503 |
| 1770 | 29 9,2082 | 34 53,318 |

Diei reducto addendum est:

ante / post } Dec. 27 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. γ *Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 19 34 23,156 | + 10 1 24,21 | 1760 | Jan. 1 | 19 34 49,830 | + 10 2 40,35 |
| | Apr. 10 | 23,174 | 25,00 | | Apr. 10 | 49,837 | 39,63 |
| | Jul. 19 | 23,183 | 25,77 | | Jul. 19 | 49,852 | 38,95 |
| | Oct. 27 | 23,185 | 26,52 | | Oct. 27 | 49,875 | 38,31 |
| | Dec. 66 | 23,178 | 27,24 | | Dec. 66 | 49,905 | 37,71 |
| 1751 | Jan. 0 | 19 34 26,037 | + 10 1 35,03 | 1761 | Jan. 0 | 19 34 52,749 | + 10 2 45,96 |
| | Apr. 10 | 26,025 | 35,74 | | Apr. 10 | 52,784 | 45,40 |
| | Jul. 19 | 26,005 | 36,40 | | Jul. 19 | 52,826 | 44,89 |
| | Oct. 27 | 25,977 | 37,02 | | Oct. 27 | 52,875 | 44,44 |
| | Dec. 66 | 25,941 | 37,60 | | Dec. 66 | 52,930 | 44,04 |
| 1752 | Jan. 1 | 19 34 28,810 | + 10 1 45,44 | 1762 | Jan. 0 | 19 34 55,766 | + 10 2 52,23 |
| | Apr. 10 | 28,768 | 45,98 | | Apr. 10 | 55,825 | 51,88 |
| | Jul. 19 | 28,720 | 46,46 | | Jul. 19 | 55,889 | 51,59 |
| | Oct. 27 | 28,665 | 46,87 | | Oct. 27 | 55,958 | 51,37 |
| | Dec. 66 | 28,604 | 47,23 | | Dec. 66 | 56,032 | 51,22 |
| 1753 | Jan. 0 | 19 34 31,481 | + 10 1 55,15 | 1763 | Jan. 0 | 19 34 58,862 | + 10 2 59,33 |
| | Apr. 10 | 31,415 | 55,46 | | Apr. 10 | 58,939 | 59,23 |
| | Jul. 19 | 31,344 | 55,69 | | Jul. 19 | 59,017 | 59,19 |
| | Oct. 27 | 31,268 | 55,85 | | Oct. 27 | 59,099 | 59,23 |
| | Dec. 66 | 31,188 | 55,94 | | Dec. 66 | 59,183 | 59,34 |
| 1754 | Jan. 0 | 19 34 34,071 | + 10 2 3,96 | 1764 | Jan. 1 | 19 35 2,010 | + 10 3 7,37 |
| | Apr. 10 | 33,988 | 3,99 | | Apr. 10 | 2,095 | 7,52 |
| | Jul. 19 | 33,903 | 3,95 | | Jul. 19 | 2,180 | 7,74 |
| | Oct. 27 | 33,816 | 3,84 | | Oct. 27 | 2,265 | 8,03 |
| | Dec. 66 | 33,726 | 3,65 | | Dec. 66 | 2,351 | 8,38 |
| 1755 | Jan. 0 | 19 34 36,611 | + 10 2 11,76 | 1765 | Jan. 0 | 19 35 5,178 | + 10 3 16,34 |
| | Apr. 10 | 36,521 | 11,52 | | Apr. 10 | 5,262 | 16,73 |
| | Jul. 19 | 36,431 | 11,21 | | Jul. 19 | 5,346 | 17,18 |
| | Oct. 27 | 36,342 | 10,83 | | Oct. 27 | 5,227 | 17,68 |
| | Dec. 66 | 36,254 | 10,38 | | Dec. 66 | 5,505 | 18,25 |
| 1756 | Jan. 1 | 19 34 39,139 | + 10 2 18,58 | 1766 | Jan. 0 | 19 35 8,334 | + 10 3 26,14 |
| | Apr. 10 | 39,052 | 18,09 | | Apr. 10 | 8,410 | 26,74 |
| | Jul. 19 | 38,969 | 17,55 | | Jul. 19 | 8,482 | 27,37 |
| | Oct. 27 | 38,889 | 16,96 | | Oct. 27 | 8,549 | 28,05 |
| | Dec. 66 | 38,813 | 16,31 | | Dec. 66 | 8,611 | 28,77 |
| 1757 | Jan. 0 | 19 34 41,694 | + 10 2 24,58 | 1767 | Jan. 0 | 19 35 11,446 | + 10 3 36,61 |
| | Apr. 10 | 41,621 | 23,90 | | Apr. 10 | 11,505 | 37,34 |
| | Jul. 19 | 41,554 | 23,19 | | Jul. 19 | 11,558 | 38,09 |
| | Oct. 27 | 41,493 | 22,45 | | Oct. 27 | 11,604 | 38,87 |
| | Dec. 66 | 41,438 | 21,68 | | Dec. 66 | 11,643 | 39,66 |
| 1758 | Jan. 0 | 19 34 44,311 | + 10 2 29,99 | 1768 | Jan. 1 | 19 35 14,486 | + 10 3 47,48 |
| | Apr. 10 | 44,261 | 29,20 | | Apr. 10 | 14,521 | 48,27 |
| | Jul. 19 | 44,218 | 28,41 | | Jul. 19 | 14,548 | 49,06 |
| | Oct. 27 | 44,182 | 27,61 | | Oct. 27 | 14,568 | 49,85 |
| | Dec. 66 | 44,154 | 26,81 | | Dec. 66 | 14,580 | 50,63 |
| 1759 | Jan. 0 | 19 34 47,018 | + 10 2 35,14 | 1769 | Jan. 0 | 19 35 17,432 | + 10 3 58,46 |
| | Apr. 10 | 46,995 | 34,34 | | Apr. 10 | 17,439 | 59,23 |
| | Jul. 19 | 46,981 | 33,56 | | Jul. 19 | 17,437 | 59,97 |
| | Oct. 27 | 46,974 | 32,80 | | Oct. 27 | 17,427 | 4 0,67 |
| | Dec. 66 | 46,976 | 32,05 | | Dec. 66 | 17,409 | 1,35 |

## Tabulae X. Sect. I. γ *Aquilae.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,296 | + 5,3 | + 0,06 | —17,2 | +1 | +1 |
| 10 | —1,223 | + 9,1 | — 1,68 | —17,4 | 0 | +1 |
| 20 | —1,115 | +12,5 | — 3,41 | —16,9 | 0 | +1 |
| 30 | —0,974 | +15,7 | — 5,05 | —15,7 | —1 | +1 |
| Febr. 9 | —0,801 | +18,6 | — 6,55 | —13,8 | —1 | +1 |
| 19 | —0,602 | +21,2 | — 7,81 | —11,2 | —2 | +1 |
| Mart. 1 | —0,377 | +23,4 | — 8,79 | — 8,1 | —2 | +1 |
| 11 | —0,135 | +25,2 | — 9,43 | — 4,6 | —2 | +1 |
| 21 | +0,126 | +26,9 | — 9,70 | — 0,8 | —2 | +1 |
| 31 | +0,402 | +28,1 | — 9,58 | + 3,2 | —3 | 0 |
| Apr. 10 | +0,788 | +28,9 | — 9,07 | + 7,0 | —3 | 0 |
| 20 | +0,980 | +29,3 | — 8,19 | +10,5 | —3 | 0 |
| 30 | +1,273 | +29,1 | — 6,97 | +13,7 | —3 | 0 |
| Maj. 10 | +1,561 | +28,4 | — 5,46 | +16,3 | —2 | 0 |
| 20 | +1,840 | +27,1 | — 3,71 | +18,4 | —2 | 0 |
| 30 | +2,102 | +25,1 | — 1,78 | +19,9 | —2 | +1 |
| Jun. 9 | +2,342 | +22,6 | + 0,26 | +20,7 | —1 | +1 |
| 19 | +2,554 | +19,6 | + 2,36 | +21,0 | —1 | +1 |
| 29 | +2,733 | +16,0 | + 4,45 | +20,7 | —1 | +1 |
| Jul. 9 | +2,873 | +11,9 | + 6,49 | +19,8 | 0 | +1 |
| 19 | +2,971 | + 7,7 | + 8,41 | +18,5 | 0 | +1 |
| 29 | +3,026 | + 3,3 | +10,19 | +16,9 | 0 | +2 |
| Aug. 8 | +3,036 | — 1,2 | +11,79 | +14,9 | +1 | +2 |
| 18 | +3,002 | — 5,4 | +13,17 | +12,8 | +1 | +2 |
| 28 | +2,929 | — 9,2 | +14,34 | +10,5 | +2 | +2 |
| Sept. 7 | +2,819 | —12,4 | +15,26 | + 8,0 | +2 | +3 |
| 17 | +2,681 | —14,9 | +15,94 | + 5,6 | +2 | +3 |
| 27 | +2,521 | —16,6 | +16,37 | + 3,0 | +2 | +3 |
| Oct. 7 | +2,349 | —17,4 | +16,54 | + 0,4 | +3 | +3 |
| 17 | +2,174 | —17,2 | +16,45 | — 2,2 | +3 | +4 |
| 27 | +2,005 | —16,2 | +16,11 | — 4,7 | +3 | +4 |
| Nov. 6 | +1,851 | —14,3 | +15,51 | — 7,3 | +2 | +4 |
| 16 | +1,720 | —11,6 | +14,66 | — 9,7 | +2 | +4 |
| 26 | +1,619 | — 8,4 | +13,58 | —11,9 | +2 | +4 |
| Dec. 6 | +1,553 | — 4,8 | +12,29 | —13,9 | +2 | +5 |
| 16 | +1,524 | — 1,0 | +10,81 | —15,5 | +1 | +5 |
| 26 | +1,534 | + 2,9 | + 9,19 | —16,7 | +1 | +5 |
| 36 | +1,582 | + 6,8 | + 7,47 | —17,4 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 19 34 22,2292 | +10 1 23,138 |
| 1751 | 34 25,0847 | 1 31,163 |
| 1752 | 34 27,9402 | 1 39,192 |
| 1753 | 34 30,7957 | 1 47,225 |
| 1754 | 34 33,6512 | 1 55,260 |
| 1755 | 34 36,5067 | 2 3,300 |
| 1756 | 34 39,3622 | 2 11,344 |
| 1757 | 34 42,2177 | 2 19,392 |
| 1758 | 34 45,0732 | 2 27,443 |
| 1759 | 34 47,9286 | 2 35,498 |
| 1760 | 34 50,7840 | 2 43,557 |
| 1761 | 34 53,6395 | 2 51,620 |
| 1762 | 34 56,4949 | 2 59,686 |
| 1763 | 34 59,3503 | 3 7,756 |
| 1764 | 35 2,2056 | 3 15,830 |
| 1765 | 35 5,0610 | 3 23,908 |
| 1766 | 35 7,9164 | 3 31,990 |
| 1767 | 35 10,7718 | 3 40,075 |
| 1768 | 35 13,6272 | 3 48,164 |
| 1769 | 35 16,4827 | 3 56,257 |
| 1770 | 35 19,3381 | 4 4,353 |

Diei reducto addendum est:

ante } Jan. 11 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 19 38 35,893 | + 8 13 41,18 | 1760 | Jan. 1 | 19 39 3,280 | + 8 15 4,20 |
| | Apr. 10 | 35,910 | 41,96 | | Apr. 10 | 3,289 | 3,48 |
| | Jul. 19 | 35,919 | 42,73 | | Jul. 19 | 3,304 | 2,81 |
| | Oct. 27 | 35,920 | 43,47 | | Oct. 27 | 3,328 | 2,18 |
| | Dec. 66 | 35,913 | 44,19 | | Dec. 66 | 3,359 | 1,59 |
| 1751 | Jan. 0 | 19 38 38,846 | + 8 13 52,69 | 1761 | Jan. 0 | 19 39 6,277 | + 8 15 10,55 |
| | Apr. 10 | 38,833 | 53,39 | | Apr. 10 | 6,313 | 9,99 |
| | Jul. 19 | 38,813 | 54,04 | | Jul. 19 | 6,356 | 9,49 |
| | Oct. 27 | 38,784 | 54,65 | | Oct. 27 | 6,406 | 9,05 |
| | Dec. 66 | 38,747 | 55,22 | | Dec. 66 | 6,462 | 8,67 |
| 1752 | Jan. 1 | 19 38 41,689 | + 8 14 3,78 | 1762 | Jan. 0 | 19 39 9,372 | + 8 15 17,57 |
| | Apr. 10 | 41,647 | 4,31 | | Apr. 10 | 9,433 | 17,23 |
| | Jul. 19 | 41,598 | 4,77 | | Jul. 19 | 9,498 | 16,95 |
| | Oct. 27 | 41,542 | 5,18 | | Oct. 27 | 9,568 | 16,74 |
| | Dec. 66 | 41,479 | 5,52 | | Dec. 66 | 9,643 | 16,60 |
| 1753 | Jan. 0 | 19 38 44,431 | + 8 14 14,16 | 1763 | Jan. 0 | 19 39 12,547 | + 8 15 25,42 |
| | Apr. 10 | 44,363 | 14,46 | | Apr. 10 | 12,625 | 25,33 |
| | Jul. 19 | 44,291 | 14,68 | | Jul. 19 | 12,705 | 25,31 |
| | Oct. 27 | 44,214 | 14,83 | | Oct. 27 | 12,788 | 25,35 |
| | Dec. 66 | 44,133 | 14,90 | | Dec. 66 | 12,873 | 25,47 |
| 1754 | Jan. 0 | 19 38 47,090 | + 8 14 23,63 | 1764 | Jan. 1 | 19 39 15,773 | + 8 15 34,21 |
| | Apr. 10 | 47,006 | 23,65 | | Apr. 10 | 15,860 | 34,38 |
| | Jul. 19 | 46,919 | 23,60 | | Jul. 19 | 15,947 | 34,61 |
| | Oct. 27 | 46,830 | 23,47 | | Oct. 27 | 16,033 | 34,90 |
| | Dec. 66 | 46,739 | 23,27 | | Dec. 66 | 16,120 | 35,26 |
| 1755 | Jan. 0 | 19 38 49,699 | + 8 14 32,10 | 1765 | Jan. 0 | 19 39 19,020 | + 8 15 43,93 |
| | Apr. 10 | 49,607 | 31,85 | | Apr. 10 | 19,106 | 44,33 |
| | Jul. 19 | 49,516 | 31,53 | | Jul. 19 | 19,190 | 44,79 |
| | Oct. 27 | 49,426 | 31,14 | | Oct. 27 | 19,272 | 45,30 |
| | Dec. 66 | 49,337 | 30,68 | | Dec. 66 | 19,351 | 45,87 |
| 1756 | Jan. 1 | 19 38 52,296 | + 8 14 39,60 | 1766 | Jan. 0 | 19 39 22,254 | + 8 15 54,47 |
| | Apr. 10 | 52,208 | 39,10 | | Apr. 10 | 22,331 | 55,07 |
| | Jul. 19 | 52,124 | 38,55 | | Jul. 19 | 22,403 | 55,71 |
| | Oct. 27 | 52,044 | 37,95 | | Oct. 27 | 22,471 | 56,39 |
| | Dec. 66 | 51,967 | 37,29 | | Dec. 66 | 22,534 | 57,11 |
| 1757 | Jan. 0 | 19 38 54,922 | + 8 14 46,28 | 1767 | Jan. 0 | 19 39 25,443 | + 8 16 5,66 |
| | Apr. 10 | 54,849 | 45,60 | | Apr. 10 | 25,502 | 6,40 |
| | Jul. 19 | 54,781 | 44,90 | | Jul. 19 | 25,555 | 7,15 |
| | Oct. 27 | 54,720 | 44,15 | | Oct. 27 | 25,601 | 7,92 |
| | Dec. 66 | 54,665 | 43,37 | | Dec. 66 | 25,640 | 8,71 |
| 1758 | Jan. 0 | 19 38 57,612 | + 8 14 52,39 | 1768 | Jan. 1 | 19 39 28,557 | + 8 16 17,25 |
| | Apr. 10 | 57,561 | 51,60 | | Apr. 10 | 28,592 | 18,04 |
| | Jul. 19 | 57,518 | 50,81 | | Jul. 19 | 28,619 | 18,83 |
| | Oct. 27 | 57,483 | 50,02 | | Oct. 27 | 28,638 | 19,61 |
| | Dec. 66 | 57,455 | 49,22 | | Dec. 66 | 28,649 | 20,38 |
| 1759 | Jan. 0 | 19 39 0,393 | + 8 14 58,25 | 1769 | Jan. 0 | 19 39 31,576 | + 8 16 28,93 |
| | Apr. 10 | 0,370 | 57,46 | | Apr. 10 | 31,582 | 29,69 |
| | Jul. 19 | 0,356 | 56,68 | | Jul. 19 | 31,579 | 30,42 |
| | Oct. 27 | 0,350 | 55,92 | | Oct. 27 | 31,569 | 31,12 |
| | Dec. 66 | 0,352 | 55,19 | | Dec. 66 | 31,550 | 31,78 |

## Tabulae X. Sect. I. *a Aquilae.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —1,282 | + 5,2 | — 0,05 | —16,0 | +1 | +1 | 1750 | 19 38 34,9518 | + 8 13 39,989 |
| 10 | —1,212 | + 8,9 | — 1,67 | —16,2 | 0 | +1 | 1751 | 38 37,8815 | 13 48,724 |
| 20 | —1,105 | +12,3 | — 3,28 | —15,7 | 0 | +1 | 1752 | 38 40,8111 | 13 57,463 |
| 30 | —0,966 | +15,5 | — 4,81 | —14,6 | —1 | +1 | 1753 | 38 43,7408 | 14 6,205 |
| Febr. 9 | —0,796 | +18,4 | — 6,20 | —12,8 | —1 | +1 | 1754 | 38 46,6704 | 14 14,951 |
| | | | | | | | 1755 | 38 49,6000 | 14 23,700 |
| 19 | —0,599 | +20,9 | — 7,36 | —10,3 | —2 | +1 | 1756 | 38 52,5296 | 14 32,454 |
| Mart. 1 | —0,378 | +23,2 | — 8,25 | — 7,3 | —2 | +1 | 1757 | 38 55,4592 | 14 41,212 |
| 11 | —0,136 | +25,1 | — 8,82 | — 3,9 | —2 | +1 | 1758 | 38 58,3888 | 14 49,974 |
| 21 | +0,124 | +26,8 | — 9,03 | — 0,3 | —3 | 0 | 1759 | 39 1,3182 | 14 58,739 |
| 31 | +0,399 | +28,1 | — 8,87 | + 3,5 | —3 | 0 | 1760 | 39 4,2477 | 15 7,508 |
| | | | | | | | 1761 | 39 7,1772 | 15 16,281 |
| Apr. 10 | +0,685 | +28,9 | — 8,33 | + 7,2 | —3 | 0 | 1762 | 39 10,1067 | 15 25,058 |
| 20 | +0,977 | +29,3 | — 7,44 | +10,5 | —3 | 0 | 1763 | 39 13,0362 | 15 33,839 |
| 30 | +1,271 | +29,3 | — 6,23 | +13,5 | —3 | 0 | 1764 | 39 15,9657 | 15 42,623 |
| Maj. 10 | +1,562 | +28,6 | — 4,74 | +16,1 | —2 | 0 | 1765 | 39 18,8952 | 15 51,412 |
| 20 | +1,843 | +27,4 | — 3,01 | +18,1 | —2 | 0 | 1766 | 39 21,8246 | 16 0,204 |
| | | | | | | | 1767 | 39 24,7540 | 16 9,000 |
| 30 | +2,109 | +25,6 | — 1,12 | +19,4 | —2 | +1 | 1768 | 39 27,6834 | 16 17,800 |
| Jun. 9 | +2,354 | +23,1 | + 0,87 | +20,2 | —2 | +1 | 1769 | 39 30,6128 | 16 26,604 |
| 19 | +2,571 | +20,1 | + 2,91 | +20,4 | —1 | +1 | 1770 | 39 33,5422 | 16 35,412 |
| 29 | +2,755 | +16,5 | + 4,94 | +20,0 | —1 | +1 | | | |
| Jul. 9 | +2,901 | +12,6 | + 6,91 | +19,2 | 0 | +1 | | | |
| 19 | +3,006 | + 8,3 | + 8,77 | +17,8 | 0 | +2 | | | |
| 29 | +3,066 | + 3,9 | +10,47 | +16,2 | 0 | +2 | | | |
| Aug. 8 | +3,083 | — 0,6 | +12,01 | +14,3 | +1 | +2 | | | |
| 18 | +3,055 | — 4,8 | +13,33 | +12,2 | +1 | +2 | | | |
| 28 | +2,988 | — 8,6 | +14,45 | +10,0 | +2 | +3 | | | |
| Sept. 7 | +2,884 | —11,9 | +15,33 | + 7,6 | +2 | +3 | | | |
| 17 | +2,751 | —14,5 | +15,97 | + 5,3 | +2 | +3 | | | |
| 27 | +2,595 | —16,2 | +16,38 | + 2,9 | +2 | +3 | | | |
| Oct. 7 | +2,427 | —17,0 | +16,54 | + 0,4 | +3 | +4 | | | |
| 17 | +2,255 | —16,9 | +16,46 | — 2,0 | +3 | +4 | | | |
| 27 | +2,089 | —15,9 | +16,15 | — 4,4 | +3 | +4 | | | |
| Nov. 6 | +1,938 | —14,1 | +15,59 | — 6,7 | +3 | +4 | | | |
| 16 | +1,808 | —11,5 | +14,81 | — 9,0 | +2 | +4 | | | |
| 26 | +1,708 | — 8,3 | +13,80 | —11,1 | +2 | +4 | | | |
| Dec. 6 | +1,642 | — 4,8 | +12,60 | —12,9 | +2 | +5 | | | |
| 16 | +1,613 | — 1,0 | +11,22 | —14,5 | +1 | +5 | | | |
| 26 | +1,622 | + 2,8 | + 9,71 | —15,6 | +1 | +5 | | | |
| 36 | +1,669 | + 6,6 | + 8,11 | —16,2 | 0 | +5 | | | |

Diei rèducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. β *Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 19 43 2,685 | + 5 48 7,03 | 1760 | Jan. 1 | 19 43 30,251 | + 5 49 24,77 |
| | Apr. 10 | 2,702 | 7,81 | | Apr. 10 | 30,260 | 24,06 |
| | Jul. 19 | 2,710 | 8,56 | | Jul. 19 | 30,277 | 23,39 |
| | Oct. 27 | 2,710 | 9,30 | | Oct. 27 | 30,302 | 22,77 |
| | Dec. 66 | 2,701 | 10,01 | | Dec. 66 | 30,335 | 22,19 |
| 1751 | Jan. 0 | 19 43 5,656 | + 5 48 18,01 | 1761 | Jan. 0 | 19 43 33,274 | + 5 49 30,65 |
| | Apr. 10 | 5,642 | 18,70 | | Apr. 10 | 33,312 | 30,10 |
| | Jul. 19 | 5,620 | 19,34 | | Jul. 19 | 33,356 | 29,61 |
| | Oct. 27 | 5,590 | 19,94 | | Oct. 27 | 33,409 | 29,18 |
| | Dec. 66 | 5,551 | 20,50 | | Dec. 66 | 33,468 | 28,81 |
| 1752 | Jan. 1 | 19 43 8,516 | + 5 48 28,55 | 1762 | Jan. 0 | 19 43 36,397 | + 5 49 37,20 |
| | Apr. 10 | 8,472 | 29,07 | | Apr. 10 | 36,459 | 36,87 |
| | Jul. 19 | 8,421 | 29,53 | | Jul. 19 | 36,526 | 36,61 |
| | Oct. 27 | 8,364 | 29,92 | | Oct. 27 | 36,598 | 36,42 |
| | Dec. 66 | 8,299 | 30,25 | | Dec. 66 | 36,675 | 36,29 |
| 1753 | Jan. 0 | 19 43 11,272 | + 5 48 38,39 | 1763 | Jan. 0 | 19 43 39,600 | + 5 49 44,60 |
| | Apr. 10 | 11,203 | 38,67 | | Apr. 10 | 39,679 | 44,52 |
| | Jul. 19 | 11,129 | 38,88 | | Jul. 19 | 39,761 | 44,51 |
| | Oct. 27 | 11,050 | 39,02 | | Oct. 27 | 39,846 | 44,57 |
| | Dec. 66 | 10,967 | 39,08 | | Dec. 66 | 39,933 | 44,70 |
| 1754 | Jan. 0 | 19 43 13,946 | + 5 48 47,31 | 1764 | Jan. 1 | 19 43 42,854 | + 5 49 52,93 |
| | Apr. 10 | 13,860 | 47,32 | | Apr. 10 | 42,943 | 53,10 |
| | Jul. 19 | 13,772 | 47,26 | | Jul. 19 | 43,031 | 53,34 |
| | Oct. 27 | 13,681 | 47,12 | | Oct. 27 | 43,119 | 53,65 |
| | Dec. 66 | 13,588 | 46,91 | | Dec. 66 | 43,207 | 54,02 |
| 1755 | Jan. 0 | 19 43 16,570 | + 5 48 55,23 | 1765 | Jan. 0 | 19 43 46,129 | + 5 50 2,17 |
| | Apr. 10 | 16,477 | 54,97 | | Apr. 10 | 46,216 | 2,58 |
| | Jul. 19 | 16,385 | 54,64 | | Jul. 19 | 46,301 | 3,05 |
| | Oct. 27 | 16,293 | 54,24 | | Oct. 27 | 46,384 | 3,57 |
| | Dec. 66 | 16,202 | 53,78 | | Dec. 66 | 46,464 | 4,15 |
| 1756 | Jan. 1 | 19 43 19,184 | + 5 49 2,19 | 1766 | Jan. 0 | 19 43 49,389 | + 5 50 12,24 |
| | Apr. 10 | 19,095 | 1,69 | | Apr. 10 | 49,466 | 12,85 |
| | Jul. 19 | 19,009 | 1,13 | | Jul. 19 | 49,539 | 13,49 |
| | Oct. 27 | 18,928 | 0,52 | | Oct. 27 | 49,607 | 14,18 |
| | Dec. 66 | 18,850 | 48 59,86 | | Dec. 66 | 49,671 | 14,90 |
| 1757 | Jan. 0 | 19 43 21,827 | + 5 49 8,34 | 1767 | Jan. 0 | 19 43 52,601 | + 5 50 22,94 |
| | Apr. 10 | 21,753 | 7,65 | | Apr. 10 | 52,661 | 23,68 |
| | Jul. 19 | 21,685 | 6,94 | | Jul. 19 | 52,714 | 24,43 |
| | Oct. 27 | 21,623 | 6,19 | | Oct. 27 | 52,760 | 25,20 |
| | Dec. 66 | 21,567 | 5,42 | | Dec. 66 | 52,799 | 25,99 |
| 1758 | Jan. 0 | 19 43 24,536 | + 5 49 13,94 | 1768 | Jan. 1 | 19 43 55,738 | + 5 50 34,02 |
| | Apr. 10 | 24,485 | 13,15 | | Apr. 10 | 55,772 | 35,81 |
| | Jul. 19 | 24,442 | 12,36 | | Jul. 19 | 55,799 | 35,60 |
| | Oct. 27 | 24,407 | 11,57 | | Oct. 27 | 55,817 | 36,37 |
| | Dec. 66 | 24,380 | 10,77 | | Dec. 66 | 55,828 | 37,14 |
| 1759 | Jan. 0 | 19 43 27,339 | + 5 49 19,30 | 1769 | Jan. 0 | 99 43 58,776 | + 5 50 45,18 |
| | Apr. 10 | 27,317 | 18,51 | | Apr. 10 | 58,781 | 45,94 |
| | Jul. 19 | 27,304 | 17,74 | | Jul. 19 | 58,778 | 46,66 |
| | Oct. 27 | 27,299 | 16,99 | | Oct. 27 | 58,766 | 47,35 |
| | Dec. 66 | 27,302 | 16,26 | | Dec. 66 | 58,746 | 48,01 |

## Tabulae X. Sect. I. *β Aquilae.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,268 | + 4,9 | − 0,25 | −14,8 | +1 | +1 | 1750 | 19 43 1,7240 | + 5 48 5,704 |
| 10 | −1,200 | + 8,6 | − 1,75 | −15,0 | 0 | +1 | 1751 | 43 4,6752 | 48 13,936 |
| 20 | −1,097 | +12,0 | − 3,24 | −14,5 | 0 | +1 | 1752 | 43 7,6264 | 48 22,172 |
| 30 | −0,961 | +15,1 | − 4,65 | −13,4 | −1 | +1 | 1753 | 43 10,5776 | 48 30,411 |
| Febr. 9 | −0,795 | +18,0 | − 5,92 | −11,7 | −1 | +1 | 1754 | 43 13,5288 | 48 38,654 |
| | | | | | | | 1755 | 43 16,4800 | 48 46,900 |
| 19 | −0,602 | +20,5 | − 6,98 | − 9,4 | −2 | +1 | 1756 | 43 19,4312 | 48 55,150 |
| Mart. 1 | −0,385 | +22,8 | − 7,79 | − 6,6 | −2 | +1 | 1757 | 43 22,3824 | 49 3,404 |
| 11 | −0,146 | +24,8 | − 8,29 | − 3,3 | −2 | +1 | 1758 | 43 25,3335 | 49 11,662 |
| 21 | +0,111 | +26,5 | − 8,45 | + 0,2 | −3 | 0 | 1759 | 43 28,2846 | 49 19,923 |
| 31 | +0,383 | +27,8 | − 8,26 | + 3,7 | −3 | 0 | 1760 | 43 31,2357 | 49 28,188 |
| | | | | | | | 1761 | 43 34,1868 | 49 36,457 |
| Apr. 10 | +0,666 | +28,7 | − 7,72 | + 7,1 | −3 | 0 | 1762 | 43 37,1379 | 49 44,729 |
| 20 | +0,957 | +29,3 | − 6,85 | +10,3 | −3 | 0 | 1763 | 43 40,0890 | 49 53,005 |
| 30 | +1,251 | +29,3 | − 5,67 | +13,1 | −3 | 0 | 1764 | 43 43,0400 | 50 1,285 |
| Maj. 10 | +1,542 | +28,7 | − 4,24 | +15,4 | −2 | 0 | 1765 | 43 45,9910 | 50 9,568 |
| 20 | +1,825 | +27,6 | − 2,59 | +17,3 | −2 | 0 | 1766 | 43 48,9420 | 50 17,855 |
| | | | | | | | 1767 | 43 51,8930 | 50 26,146 |
| 30 | +2,093 | +25,8 | − 0,79 | +18,5 | −2 | +1 | 1768 | 43 54,8439 | 50 34,441 |
| Jun. 9 | +2,341 | +23,5 | + 1,10 | +19,1 | −2 | +1 | 1769 | 43 57,7948 | 50 42,739 |
| 19 | +2,562 | +20,5 | + 3,02 | +19,2 | −1 | +1 | 1770 | 44 0,7459 | 50 51,041 |
| 29 | +2,750 | +17,0 | + 4,93 | +18,7 | −1 | +1 | | | |
| Jul. 9 | +2,901 | +13,1 | + 6,76 | +17,8 | −1 | +1 | | | |
| 19 | +3,011 | + 8,8 | + 8,48 | +16,5 | 0 | +2 | | | |
| 29 | +3,077 | + 4,4 | +10,06 | +14,9 | 0 | +2 | | | |
| Aug. 8 | +3,098 | − 0,2 | +11,45 | +13,0 | +1 | +2 | | | |
| 18 | +3,076 | − 4,4 | +12,66 | +11,0 | +1 | +2 | | | |
| 28 | +3,013 | − 8,2 | +13,65 | + 8,8 | +1 | +3 | | | |
| Sept. 7 | +2,913 | −11,5 | +14,42 | + 6,7 | +2 | +3 | | | |
| 17 | +2,784 | −14,1 | +14,98 | + 4,5 | +2 | +3 | | | |
| 27 | +2,632 | −15,9 | +15,31 | + 2,2 | +2 | +3 | | | |
| Oct. 7 | +2,466 | −16,8 | +15,42 | 0,0 | +2 | +3 | | | |
| 17 | +2,297 | −16,7 | +15,31 | − 2,2 | +3 | +4 | | | |
| 27 | +2,132 | −15,8 | +14,98 | − 4,4 | +3 | +4 | | | |
| Nov. 6 | +1,981 | −14,1 | +14,44 | − 6,5 | +3 | +4 | | | |
| 16 | +1,851 | −11,5 | +13,69 | − 8,5 | +2 | +4 | | | |
| 26 | +1,751 | − 8,4 | +12,74 | −10,4 | +2 | +4 | | | |
| Dec. 6 | +1,683 | − 5,0 | +11,62 | −12,0 | +2 | +4 | | | |
| 16 | +1,652 | − 1,2 | +10,34 | −13,4 | +1 | +4 | | | |
| 26 | +1,659 | + 2,6 | + 8,94 | −14,4 | +1 | +4 | | | |
| 36 | +1,704 | + 6,3 | + 7,46 | −15,0 | 0 | +4 | | | |

Diei reducto addendum est:

ante / post } Jan. 13 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. 1 *a Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 20 3 47,392 | —13 15 34,31 | 1760 | Jan. 1 | 20 4 18,564 | —13 13 57,02 |
| | Apr. 10 | 47,402 | 33,56 | | Apr. 10 | 18,584 | 57,68 |
| | Jul. 19 | 47,402 | 32,83 | | Jul. 19 | 18,612 | 58,30 |
| | Oct. 27 | 47,393 | 32,13 | | Oct. 27 | 18,649 | 58,87 |
| | Dec. 66 | 47,374 | 31,46 | | Dec. 66 | 18,695 | 59,40 |
| 1751 | Jan. 0 | 20 3 50,720 | —13 15 21,38 | 1761 | Jan. 0 | 20 4 22,017 | —13 13 48,89 |
| | Apr. 10 | 50,695 | 20,74 | | Apr. 10 | 22,068 | 49,38 |
| | Jul. 19 | 50,661 | 20,14 | | Jul. 19 | 22,127 | 49,82 |
| | Oct. 27 | 50,617 | 19,59 | | Oct. 27 | 22,192 | 50,19 |
| | Dec. 66 | 50,565 | 19,09 | | Dec. 66 | 22,265 | 50,50 |
| 1752 | Jan. 1 | 20 3 53,923 | —13 15 8,95 | 1762 | Jan. 0 | 20 4 25,579 | —13 13 40,06 |
| | Apr. 10 | 53,865 | 8,49 | | Apr. 10 | 25,656 | 40,33 |
| | Jul. 19 | 53,800 | 8,10 | | Jul. 19 | 25,737 | 40,53 |
| | Oct. 27 | 53,727 | 7,76 | | Oct. 27 | 25,824 | 40,67 |
| | Dec. 66 | 53,647 | 7,49 | | Dec. 66 | 25,916 | 40,74 |
| 1753 | Jan. 0 | 20 3 57,013 | —13 14 57,27 | 1763 | Jan. 0 | 20 4 29,223 | —13 13 30,38 |
| | Apr. 10 | 56,929 | 57,04 | | Apr. 10 | 29,317 | 30,39 |
| | Jul. 19 | 56,840 | 56,89 | | Jul. 19 | 29,413 | 30,34 |
| | Oct. 27 | 56,746 | 56,82 | | Oct. 27 | 29,511 | 30,22 |
| | Dec. 66 | 56,647 | 56,82 | | Dec. 66 | 29,611 | 30,05 |
| 1754 | Jan. 0 | 20 4 0,019 | —13 14 46,50 | 1764 | Jan. 1 | 20 4 32,916 | —13 13 19,77 |
| | Apr. 10 | 3 59,918 | 46,55 | | Apr. 10 | 33,017 | 19,54 |
| | Jul. 19 | 59,815 | 46,67 | | Jul. 19 | 33,117 | 19,25 |
| | Oct. 27 | 59,711 | 46,87 | | Oct. 27 | 33,216 | 18,90 |
| | Dec. 66 | 59,605 | 47,13 | | Dec. 66 | 33,315 | 18,49 |
| 1755 | Jan. 0 | 20 4 2,979 | —13 14 36,72 | 1765 | Jan. 0 | 20 4 36,620 | —13 13 8,28 |
| | Apr. 10 | 2,873 | 37,04 | | Apr. 10 | 36,717 | 7,83 |
| | Jul. 19 | 2,769 | 37,42 | | Jul. 19 | 36,811 | 7,32 |
| | Oct. 27 | 2,667 | 37,86 | | Oct. 27 | 36,901 | 6,77 |
| | Dec. 66 | 2,567 | 38,36 | | Dec. 66 | 36,987 | 6,17 |
| 1756 | Jan. 1 | 20 4 5,939 | —13 14 27,87 | 1766 | Jan. 0 | 20 4 40,296 | —13 12 56,02 |
| | Apr. 10 | 5,841 | 28,41 | | Apr. 10 | 40,380 | 55,39 |
| | Jul. 19 | 5,748 | 29,00 | | Jul. 19 | 40,457 | 54,72 |
| | Oct. 27 | 5,661 | 29,63 | | Oct. 27 | 40,528 | 54,03 |
| | Dec. 66 | 5,579 | 30,31 | | Dec. 66 | 40,593 | 53,30 |
| 1757 | Jan. 0 | 20 4 8,944 | —13 14 19,76 | 1767 | Jan. 0 | 20 4 43,910 | —13 12 43,19 |
| | Apr. 10 | 8,866 | 20,47 | | Apr. 10 | 43,970 | 42,44 |
| | Jul. 19 | 8,795 | 21,19 | | Jul. 19 | 44,022 | 41,69 |
| | Oct. 27 | 8,732 | 21,94 | | Oct. 27 | 44,066 | 40,93 |
| | Dec. 66 | 8,677 | 22,71 | | Dec. 66 | 44,102 | 40,15 |
| 1758 | Jan. 0 | 20 4 12,033 | —13 14 12,13 | 1768 | Jan. 1 | 20 4 47,429 | —13 12 30,05 |
| | Apr. 10 | 11,984 | 12,91 | | Apr. 10 | 47,459 | 29,27 |
| | Jul. 19 | 11,944 | 13,69 | | Jul. 19 | 47,480 | 28,51 |
| | Oct. 27 | 11,913 | 14,47 | | Oct. 27 | 47,492 | 27,76 |
| | Dec. 66 | 11,891 | 15,24 | | Dec. 66 | 47,494 | 27,03 |
| 1759 | Jan. 0 | 20 4 15,236 | —13 14 4,66 | 1769 | Jan. 0 | 20 4 50,832 | —13 12 16,90 |
| | Apr. 10 | 15,220 | 5,42 | | Apr. 10 | 50,828 | 16,18 |
| | Jul. 19 | 15,214 | 6,16 | | Jul. 19 | 50,815 | 15,50 |
| | Oct. 27 | 15,218 | 6,88 | | Oct. 27 | 50,792 | 14,85 |
| | Dec. 66 | 15,231 | 7,58 | | Dec. 66 | 50,760 | 14,24 |

## Tabulae X. Sect. I. 1*a* *Capricorni.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —1,258 | + 4,4 | — 2,53 | — 3,5 | +1 | —1 | 1750 | 20 3 46,2851 | —13 15 36,221 |
| 10 | —1,196 | + 8,0 | — 2,86 | — 3,1 | +1 | —1 | 1751 | 3 49,6242 | 15 25,925 |
| 20 | —1,099 | +11,4 | — 3,15 | — 2,5 | 0 | —1 | 1752 | 3 52,9632 | 15 15,625 |
| 30 | —0,969 | +14,6 | — 3,36 | — 1,6 | 0 | —1 | 1753 | 3 56,3022 | 15 5,321 |
| Febr. 9 | —0,808 | +17,5 | — 3,47 | — 0,5 | —1 | —1 | 1754 | 3 59,6412 | 14 55,013 |
| | | | | | | | 1755 | 4 2,9800 | 14 44,700 |
| 19 | —0,620 | +20,1 | — 3,46 | + 0,9 | —1 | —1 | 1756 | 4 6,3187 | 14 34,385 |
| Mart. 1 | —0,406 | +22,6 | — 3,29 | + 2,6 | —2 | —1 | 1757 | 4 9,6573 | 14 24,065 |
| 11 | —0,169 | +24,7 | — 2,95 | + 4,3 | —2 | —1 | 1758 | 4 12,9959 | 14 13,740 |
| 21 | +0,088 | +26,6 | — 2,43 | + 6,1 | —3 | 0 | 1759 | 4 16,3344 | 14 3,411 |
| 31 | +0,363 | +28,3 | — 1,73 | + 7,9 | —3 | 0 | 1760 | 4 19,6727 | 13 53,078 |
| | | | | | | | 1761 | 4 23,0110 | 13 42,741 |
| Apr. 10 | +0,653 | +29,5 | — 0,86 | + 9,5 | —3 | 0 | 1762 | 4 26,3492 | 13 32,400 |
| 20 | +0,953 | +30,4 | + 0,17 | +10,9 | —3 | 0 | 1763 | 4 29,6874 | 13 22,055 |
| 30 | +1,261 | +30,9 | + 1,31 | +11,9 | —3 | +1 | 1764 | 4 33,0255 | 13 11,706 |
| Maj. 10 | +1,570 | +30,7 | + 2,54 | +12,6 | —3 | +1 | 1765 | 4 36,3635 | 13 1,353 |
| 20 | +1,874 | +29,9 | + 3,82 | +12,8 | —3 | +1 | 1766 | 4 39,7014 | 12 50,996 |
| | | | | | | | 1767 | 4 43,0392 | 12 40,634 |
| 30 | +2,168 | +28,5 | + 5,09 | +12,6 | —3 | +2 | 1768 | 4 46,3770 | 12 30,268 |
| Jun. 9 | +2,444 | +26,5 | + 6,33 | +12,0 | —3 | +2 | 1769 | 4 49,7147 | 12 19,898 |
| 19 | +2,697 | +23,7 | + 7,48 | +11,0 | —2 | +2 | 1770 | 4 53,0523 | 12 9,524 |
| 29 | +2,918 | +20,3 | + 8,52 | + 9,7 | —2 | +3 | | | |
| Jul. 9 | +3,103 | +16,5 | + 9,42 | + 8,3 | —1 | +3 | | | |
| 19 | +3,247 | +12,2 | +10,17 | + 6,6 | —1 | +3 | | | |
| 29 | +3,346 | + 7,6 | +10,74 | + 4,9 | —1 | +4 | | | |
| Aug. 8 | +3,398 | + 3,0 | +11,15 | + 3,3 | 0 | +4 | | | |
| 18 | +3,405 | — 1,6 | +11,40 | + 1,8 | 0 | +4 | | | |
| 28 | +3,367 | — 5,8 | +11,51 | + 0,5 | +1 | +4 | | | |
| Sept. 7 | +3,289 | — 9,6 | +11,49 | — 0,8 | +1 | +4 | | | |
| 17 | +3,176 | —12,6 | +11,36 | — 1,7 | +2 | +4 | | | |
| 27 | +3,038 | —14,8 | +11,15 | — 2,4 | +2 | +4 | | | |
| Oct. 7 | +2,881 | —16,1 | +10,88 | — 2,9 | +2 | +4 | | | |
| 17 | +2,717 | —16,3 | +10,57 | — 3,3 | +3 | +4 | | | |
| 27 | +2,555 | —15,7 | +10,23 | — 3,5 | +3 | +4 | | | |
| Nov. 6 | +2,404 | —14,2 | + 9,88 | — 3,6 | +3 | +4 | | | |
| 16 | +2,272 | —11,8 | + 9,51 | — 3,7 | +2 | +4 | | | |
| 26 | +2,168 | — 8,8 | + 9,14 | — 3,7 | +2 | +4 | | | |
| Dec. 6 | +2,096 | — 5,5 | + 8,77 | — 3,8 | +2 | +4 | | | |
| 16 | +2,059 | — 1,8 | + 8,39 | — 3,8 | +1 | +4 | | | |
| 26 | +2,060 | + 2,0 | + 8,02 | — 3,6 | +1 | +4 | | | |
| 36 | +2,099 | + 5,7 | + 7,67 | — 3,4 | 0 | +3 | | | |

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. 2a Capricorni.

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 20 4 10,883 | —13 17 54,13 | 1760 | Jan. 1 | 20 4 42,100 | —13 16 16,58 |
| | Apr. 10 | 10,893 | 53,38 | | Apr. 10 | 42,120 | 17,24 |
| | Jul. 19 | 10,893 | 52,66 | | Jul. 19 | 42,148 | 17,86 |
| | Oct. 27 | 10,884 | 51,96 | | Oct. 27 | 42,185 | 18,43 |
| | Dec. 66 | 10,865 | 51,29 | | Dec. 66 | 42,231 | 18,96 |
| 1751 | Jan. 0 | 20 4 14,216 | —13 17 41,19 | 1761 | Jan. 0 | 20 4 45,558 | —13 16 8,43 |
| | Apr. 10 | 14,190 | 40,54 | | Apr. 10 | 45,609 | 8,92 |
| | Jul. 19 | 14,156 | 39,94 | | Jul. 19 | 45,668 | 9,35 |
| | Oct. 27 | 14,113 | 39,39 | | Oct. 27 | 45,733 | 9,72 |
| | Dec. 66 | 14,061 | 38,89 | | Dec. 66 | 45,806 | 10,03 |
| 1752 | Jan. 1 | 20 4 17,423 | —13 17 28,73 | 1762 | Jan. 0 | 20 4 49,124 | —13 15 59,57 |
| | Apr. 10 | 17,365 | 28,27 | | Apr. 10 | 49,201 | 59,84 |
| | Jul. 19 | 17,299 | 27,87 | | Jul. 19 | 49,283 | 16 0,04 |
| | Oct. 27 | 17,226 | 27,54 | | Oct. 27 | 49,370 | 0,17 |
| | Dec. 66 | 17,146 | 27,27 | | Dec. 66 | 49,461 | 0,24 |
| 1753 | Jan. 0 | 20 4 20,517 | —13 17 17,02 | 1763 | Jan. 0 | 20 4 52,773 | —13 15 49,85 |
| | Apr. 10 | 20,433 | 16,80 | | Apr. 10 | 52,867 | 49,87 |
| | Jul. 19 | 20,344 | 16,65 | | Jul. 19 | 52,963 | 49,82 |
| | Oct. 27 | 20,250 | 16,58 | | Oct. 27 | 53,061 | 49,70 |
| | Dec. 66 | 20,151 | 16,58 | | Dec. 66 | 53,162 | 49,52 |
| 1754 | Jan. 0 | 20 4 23,528 | —13 17 6,23 | 1764 | Jan. 1 | 20 4 56,470 | —13 15 39,21 |
| | Apr. 10 | 23,426 | 6,28 | | Apr. 10 | 56,571 | 38,98 |
| | Jul. 19 | 23,323 | 6,40 | | Jul. 19 | 56,671 | 38,69 |
| | Oct. 27 | 23,219 | 6,60 | | Oct. 27 | 56,770 | 38,34 |
| | Dec. 66 | 23,113 | 6,87 | | Dec. 66 | 56,869 | 37,93 |
| 1755 | Jan. 0 | 20 4 26,492 | —13 16 56,43 | 1765 | Jan. 0 | 20 5 0,179 | —13 15 27,69 |
| | Apr. 10 | 26,386 | 56,75 | | Apr. 10 | 0,276 | 27,23 |
| | Jul. 19 | 26,282 | 57,13 | | Jul. 19 | 0,370 | 26,73 |
| | Oct. 27 | 26,180 | 57,57 | | Oct. 27 | 0,460 | 26,18 |
| | Dec. 66 | 26,080 | 58,07 | | Dec. 66 | 0,546 | 25,58 |
| 1756 | Jan. 1 | 20 4 29,456 | —13 16 47,55 | 1766 | Jan. 0 | 20 5 3,860 | —13 15 15,40 |
| | Apr. 10 | 29,358 | 48,09 | | Apr. 10 | 3,944 | 14,77 |
| | Jul. 19 | 29,266 | 48,68 | | Jul. 19 | 4,021 | 14,11 |
| | Oct. 27 | 29,178 | 49,32 | | Oct. 27 | 4,092 | 13,41 |
| | Dec. 66 | 29,096 | 50,00 | | Dec. 66 | 4,157 | 12,68 |
| 1757 | Jan. 0 | 20 4 32,466 | —13 16 39,42 | 1767 | Jan. 0 | 20 5 7,478 | —13 15 2,54 |
| | Apr. 10 | 32,388 | 40,12 | | Apr. 10 | 7,538 | 1,80 |
| | Jul. 19 | 32,317 | 40,85 | | Jul. 19 | 7,591 | 1,04 |
| | Oct. 27 | 32,253 | 41,60 | | Oct. 27 | 7,635 | 0,28 |
| | Dec. 66 | 32,197 | 42,37 | | Dec. 66 | 7,671 | 14 59,51 |
| 1758 | Jan. 0 | 20 4 35,560 | —13 16 31,76 | 1768 | Jan. 1 | 20 5 11,002 | —13 14 49,37 |
| | Apr. 10 | 35,511 | 32,54 | | Apr. 10 | 11,032 | 48,60 |
| | Jul. 19 | 35,471 | 33,32 | | Jul. 19 | 11,053 | 47,84 |
| | Oct. 27 | 35,441 | 34,10 | | Oct. 27 | 11,065 | 47,09 |
| | Dec. 66 | 35,418 | 34,87 | | Dec. 66 | 11,067 | 46,36 |
| 1759 | Jan. 0 | 20 4 38,767 | —13 16 24,25 | 1769 | Jan. 0 | 20 5 14,410 | —13 14 36,20 |
| | Apr. 10 | 38,752 | 25,02 | | Apr. 10 | 14,406 | 35,48 |
| | Jul. 19 | 38,746 | 25,76 | | Jul. 19 | 14,392 | 34,80 |
| | Oct. 27 | 38,750 | 26,48 | | Oct. 27 | 14,369 | 34,15 |
| | Dec. 66 | 38,763 | 27,17 | | Dec. 66 | 14,337 | 33,54 |

## Tabulae X. Sect. I. 2a *Capricorni.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,257 | + 4,3 | — 2,54 | — 3,4 | +1 | —1 |
| 10 | —1,196 | + 7,9 | — 2,87 | — 3,2 | +1 | —1 |
| 20 | —1,099 | +11,4 | — 3,15 | — 2,5 | 0 | —1 |
| 30 | —0,969 | +14,6 | — 3,36 | — 1,6 | 0 | —1 |
| Febr. 9 | —0,808 | +17,5 | — 3,47 | — 0,5 | —1 | —1 |
| 19 | —0,620 | +20,1 | — 3,45 | + 1,0 | —1 | —1 |
| Mart. 1 | —0,407 | +22,5 | — 3,28 | + 2,6 | —2 | —1 |
| 11 | —0,170 | +24,7 | — 2,94 | + 4,4 | —2 | —1 |
| 21 | +0,087 | +26,6 | — 2,41 | + 6,2 | —3 | 0 |
| 31 | +0,362 | +28,3 | — 1,71 | + 7,9 | —3 | 0 |
| Apr. 10 | +0,652 | +29,5 | — 0,83 | + 9,5 | —3 | 0 |
| 20 | +0,952 | +30,4 | + 0,19 | +10,9 | —3 | 0 |
| 30 | +1,260 | +30,9 | + 1,34 | +11,9 | —3 | 0 |
| Maj. 10 | +1,569 | +30,7 | + 2,57 | +12,5 | —3 | +1 |
| 20 | +1,874 | +30,0 | + 3,84 | +12,8 | —3 | +1 |
| 30 | +2,168 | +28,6 | + 5,12 | +12,6 | —3 | +2 |
| Jun. 9 | +2,445 | +26,5 | + 6,35 | +12,0 | —3 | +2 |
| 19 | +2,698 | +23,7 | + 7,51 | +11,0 | —2 | +2 |
| 29 | +2,919 | +20,4 | + 8,55 | + 9,7 | —2 | +3 |
| Jul. 9 | +3,105 | +16,5 | + 9,45 | + 8,2 | —2 | +3 |
| 19 | +3,249 | +12,2 | +10,19 | + 6,6 | —1 | +3 |
| 29 | +3,349 | + 7,7 | +10,77 | + 5,0 | —1 | +4 |
| Aug. 8 | +3,402 | + 3,0 | +11,18 | + 3,3 | 0 | +4 |
| 18 | +3,408 | — 1,6 | +11,43 | + 1,8 | 0 | +4 |
| 28 | +3,371 | — 5,8 | +11,53 | + 0,4 | +1 | +4 |
| Sept. 7 | +3,293 | — 9,5 | +11,50 | — 0,8 | +1 | +4 |
| 17 | +3,181 | —12,5 | +11,37 | — 1,7 | +2 | +4 |
| 27 | +3,043 | —14,7 | +11,16 | — 2,4 | +2 | +4 |
| Oct. 7 | +2,887 | —16,0 | +10,89 | — 2,9 | +2 | +4 |
| 17 | +2,723 | —16,3 | +10,58 | — 3,3 | +2 | +4 |
| 27 | +2,561 | —15,7 | +10,24 | — 3,5 | +3 | +4 |
| Nov. 6 | +2,409 | —14,2 | + 9,88 | — 3,6 | +3 | +4 |
| 16 | +2,278 | —11,8 | + 9,52 | — 3,7 | +2 | +4 |
| 26 | +2,174 | — 8,9 | + 9,15 | — 3,7 | +2 | +4 |
| Dec. 6 | +2,101 | — 5,5 | + 8,78 | — 3,8 | +2 | +4 |
| 16 | +2,065 | — 1,8 | + 8,40 | — 3,7 | +1 | +4 |
| 26 | +2,066 | + 2,0 | + 8,04 | — 3,6 | +1 | +3 |
| 36 | +2,104 | + 5,7 | + 7,69 | — 3,3 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 20 4 9,7756 | —13 17 56,058 |
| 1751 | 4 13,1193 | 17 45,735 |
| 1752 | 4 16,4629 | 17 35,407 |
| 1753 | 4 19,8064 | 17 25,075 |
| 1754 | 4 23,1498 | 17 14,739 |
| 1755 | 4 26,4933 | 17 4,400 |
| 1756 | 4 29,8365 | 16 54,055 |
| 1757 | 4 33,1797 | 16 43,707 |
| 1758 | 4 36,5228 | 16 33,355 |
| 1759 | 4 39,8658 | 16 22,999 |
| 1760 | 4 43,2088 | 16 12,638 |
| 1761 | 4 46,5517 | 16 2,274 |
| 1762 | 4 49,8945 | 15 51,905 |
| 1763 | 4 53,2372 | 15 41,532 |
| 1764 | 4 56,5798 | 15 31,155 |
| 1765 | 4 59,9224 | 15 20,774 |
| 1766 | 5 3,2649 | 15 10,389 |
| 1767 | 5 6,6073 | 15 0,000 |
| 1768 | 5 9,9496 | 14 49,607 |
| 1769 | 5 13,2918 | 14 39,210 |
| 1770 | 5 16,6339 | 14 28,808 |

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. α *Cygni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 20 32 55,668 | +44 23 57,38 | 1760 | Jan. 1 | 20 33 14,756 | +44 25 54,22 |
| | Apr. 10 | 55,711 | 58,08 | | Apr. 10 | 14,730 | 53,63 |
| | Jul. 19 | 55,748 | 58,75 | | Jul. 19 | 14,711 | 53,08 |
| | Oct. 27 | 55,779 | 59,39 | | Oct. 27 | 14,698 | 52,58 |
| | Dec. 66 | 55,805 | 59,99 | | Dec. 66 | 14,692 | 52,13 |
| 1751 | Jan. 0 | 20 32 57,836 | +44 24 12,20 | 1761 | Jan. 0 | 20 33 16,733 | +44 26 4,70 |
| | Apr. 10 | 57,858 | 12,78 | | Apr. 10 | 16,731 | 4,29 |
| | Jul. 19 | 57,873 | 13,30 | | Jul. 19 | 16,735 | 3,94 |
| | Oct. 27 | 57,882 | 13,77 | | Oct. 27 | 16,746 | 3,65 |
| | Dec. 66 | 57,884 | 14,18 | | Dec. 66 | 16,763 | 3,42 |
| 1752 | Jan. 1 | 20 32 59,924 | +44 24 26,46 | 1762 | Jan. 0 | 20 33 18,796 | +44 26 15,92 |
| | Apr. 10 | 59,921 | 26,84 | | Apr. 10 | 18,817 | 15,74 |
| | Jul. 19 | 59,912 | 27,15 | | Jul. 19 | 18,843 | 15,62 |
| | Oct. 27 | 59,896 | 27,39 | | Oct. 27 | 18,876 | 15,57 |
| | Dec. 66 | 59,873 | 27,57 | | Dec. 66 | 18,914 | 15,59 |
| 1753 | Jan. 0 | 20 33 1,921 | +44 24 39,93 | 1763 | Jan. 0 | 20 33 20,940 | +44 26 28,01 |
| | Apr. 10 | 1,894 | 40,06 | | Apr. 10 | 20,981 | 28,07 |
| | Jul. 19 | 1,861 | 40,12 | | Jul. 19 | 21,027 | 28,19 |
| | Oct. 27 | 1,822 | 40,11 | | Oct. 27 | 21,078 | 28,38 |
| | Dec. 66 | 1,778 | 40,03 | | Dec. 66 | 21,133 | 28,64 |
| 1754 | Jan. 0 | 20 33 3,833 | +44 24 52,47 | 1764 | Jan. 1 | 20 33 23,154 | +44 26 40,98 |
| | Apr. 10 | 3,785 | 52,34 | | Apr. 10 | 23,211 | 41,28 |
| | Jul. 19 | 3,732 | 52,14 | | Jul. 19 | 23,271 | 41,63 |
| | Oct. 27 | 3,674 | 51,87 | | Oct. 27 | 23,334 | 42,04 |
| | Dec. 66 | 3,612 | 51,53 | | Dec. 66 | 23,400 | 42,51 |
| 1755 | Jan. 0 | 20 33 5,673 | +44 25 4,07 | 1765 | Jan. 0 | 20 33 25,418 | +44 26 54,78 |
| | Apr. 10 | 5,609 | 3,69 | | Apr. 10 | 25,485 | 55,28 |
| | Jul. 19 | 5,542 | 3,25 | | Jul. 19 | 25,553 | 55,82 |
| | Oct. 27 | 5,473 | 2,75 | | Oct. 27 | 25,623 | 56,41 |
| | Dec. 66 | 5,402 | 2,20 | | Dec. 66 | 25,693 | 57,04 |
| 1756 | Jan. 1 | 20 33 7,465 | +44 25 14,81 | 1766 | Jan. 0 | 20 33 27,709 | +44 27 9,27 |
| | Apr. 10 | 7,393 | 14,23 | | Apr. 10 | 27,779 | 9,92 |
| | Jul. 19 | 7,321 | 13,60 | | Jul. 19 | 27,848 | 10,60 |
| | Oct. 27 | 7,249 | 12,94 | | Oct. 27 | 27,916 | 11,30 |
| | Dec. 66 | 7,176 | 12,24 | | Dec. 66 | 27,983 | 12,03 |
| 1757 | Jan. 0 | 20 33 9,240 | +44 25 24,90 | 1767 | Jan. 0 | 20 33 30,001 | +44 27 24,23 |
| | Apr. 10 | 9,168 | 24,18 | | Apr. 10 | 30,067 | 24,96 |
| | Jul. 19 | 9,099 | 23,45 | | Jul. 19 | 30,129 | 25,70 |
| | Oct. 27 | 9,032 | 22,70 | | Oct. 27 | 30,189 | 26,46 |
| | Dec. 66 | 8,967 | 21,94 | | Dec. 66 | 30,245 | 27,22 |
| 1758 | Jan. 0 | 20 33 11,028 | +44 25 34,62 | 1768 | Jan. 1 | 20 33 32,266 | +44 27 39,39 |
| | Apr. 10 | 10,965 | 33,86 | | Apr. 10 | 32,320 | 40,13 |
| | Jul. 19 | 10,907 | 33,10 | | Jul. 19 | 32,369 | 40,85 |
| | Oct. 27 | 10,853 | 32,36 | | Oct. 27 | 32,413 | 41,55 |
| | Dec. 66 | 10,804 | 31,62 | | Dec. 66 | 32,452 | 42,24 |
| 1759 | Jan. 0 | 20 33 12,859 | +44 25 44,29 | 1769 | Jan. 0 | 20 33 34,479 | +44 27 54,46 |
| | Apr. 10 | 12,813 | 43,57 | | Apr. 10 | 34,515 | 55,12 |
| | Jul. 19 | 12,772 | 42,88 | | Jul. 19 | 34,544 | 55,74 |
| | Oct. 27 | 12,737 | 42,22 | | Oct. 27 | 34,567 | 56,32 |
| | Dec. 66 | 12,707 | 41,59 | | Dec. 66 | 34,584 | 56,85 |

## Tabulae X. Sect. I. *α Cygni.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,607 | — 7,1 | + 6,39 | —26,6 | 0 | +2 |
| 10 | —1,655 | — 2,3 | + 3,61 | —28,6 | 0 | +3 |
| 20 | —1,653 | + 2,7 | + 0,68 | —29,5 | —1 | +3 |
| 30 | —1,602 | + 7,7 | — 2,29 | —29,3 | —1 | +3 |
| Febr. 9 | —1,500 | +12,6 | — 5,18 | —28,0 | —2 | +3 |
| 19 | —1,350 | +17,3 | — 7,89 | —25,5 | —2 | +2 |
| Mart. 1 | —1,154 | +21,7 | —10,28 | —22,0 | —2 | +2 |
| 11 | —0,916 | +24,8 | —12,29 | —17,6 | —3 | +2 |
| 21 | —0,638 | +29,4 | —13,80 | —12,5 | —3 | +1 |
| 31 | —0,328 | +32,4 | —14,78 | — 7,0 | —3 | +1 |
| Apr. 10 | +0,009 | +34,7 | —15,19 | — 1,1 | —3 | +1 |
| 20 | +0,365 | +36,1 | —15,00 | + 4,8 | —3 | 0 |
| 30 | +0,731 | +36,7 | —14,24 | +10,4 | —2 | 0 |
| Maj. 10 | +1,099 | +36,4 | —12,92 | +15,7 | —2 | 0 |
| 20 | +1,459 | +35,2 | —11,10 | +20,5 | —2 | —1 |
| 30 | +1,802 | +33,1 | — 8,83 | +24,5 | —1 | —1 |
| Jun. 9 | +2,120 | +30,0 | — 6,20 | +27,8 | —1 | —1 |
| 19 | +2,402 | +26,2 | — 3,27 | +30,4 | —1 | —1 |
| 29 | +2,643 | +21,8 | — 0,13 | +32,1 | 0 | —1 |
| Jul. 9 | +2,837 | +26,7 | + 3,14 | +32,9 | 0 | —1 |
| 19 | +2,977 | +11,2 | + 6,45 | +33,0 | +1 | —1 |
| 29 | +3,061 | + 5,6 | + 9,74 | +32,4 | +1 | —1 |
| Aug. 8 | +3,088 | — 0,1 | +12,92 | +31,0 | +1 | —1 |
| 18 | +3,059 | — 5,6 | +15,93 | +29,0 | +2 | 0 |
| 28 | +2,976 | —10,7 | +18,71 | +26,4 | +2 | 0 |
| Sept. 7 | +2,843 | —15,4 | +21,21 | +23,3 | +2 | 0 |
| 17 | +2,667 | —19,4 | +23,37 | +19,7 | +3 | +1 |
| 27 | +2,455 | —22,5 | +25,15 | +15,8 | +3 | +1 |
| Oct. 7 | +2,217 | —24,7 | +26,52 | +11,4 | +3 | +1 |
| 17 | +1,961 | —25,9 | +27,43 | + 6,8 | +3 | +2 |
| 27 | +1,699 | —26,1 | +27,87 | + 2,0 | +3 | +2 |
| Nov. 6 | +1,439 | —25,4 | +27,82 | — 3,0 | +3 | +3 |
| 16 | +1,191 | —23,7 | +27,27 | — 8,0 | +3 | +3 |
| 26 | +0,965 | —21,2 | +26,23 | —12,8 | +2 | +4 |
| Dec. 6 | +0,768 | —18,0 | +24,71 | —17,4 | +2 | +4 |
| 16 | +0,605 | —14,2 | +22,76 | —21,4 | +2 | +4 |
| 26 | +0,484 | — 9,9 | +20,43 | —24,8 | +1 | +5 |
| 36 | +0,408 | — 5,3 | +17,80 | —27,5 | +1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 20 32 55,0658 | +44 23 54,654 |
| 1751 | 32 57,1052 | 24 7,059 |
| 1752 | 32 59,1446 | 24 19,466 |
| 1753 | 33 1,1841 | 24 31,875 |
| 1754 | 33 3,2236 | 24 44,286 |
| 1755 | 33 5,2630 | 24 56,700 |
| 1756 | 33 7,3025 | 25 9,116 |
| 1757 | 33 9,3421 | 25 21,534 |
| 1758 | 33 11,3817 | 25 33,955 |
| 1759 | 33 13,4213 | 25 46,378 |
| 1760 | 33 15,4609 | 25 58,803 |
| 1761 | 33 17,5006 | 26 11,231 |
| 1762 | 33 19,5403 | 26 23,661 |
| 1763 | 33 21,5800 | 26 36,093 |
| 1764 | 33 23,6197 | 26 48,527 |
| 1765 | 33 25,6594 | 27 0,963 |
| 1766 | 33 27,6992 | 27 13,402 |
| 1767 | 33 29,7390 | 27 25,843 |
| 1768 | 33 31,7788 | 27 38,286 |
| 1769 | 33 33,8186 | 27 50,732 |
| 1770 | 33 35,8585 | 28 3,180 |

Diei reducto addendum est:

ante } Jan. 25 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. α *Aquarii.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 21 52 57,193 | — 1 31 18,94 | 1760 | Jan. 1 | 21 53 26,018 | — 1 28 39,10 |
| | Apr. 10 | 57,207 | 18,42 | | Apr. 10 | 26,031 | 39,47 |
| | Jul. 19 | 57,212 | 17,96 | | Jul. 19 | 26,052 | 39,78 |
| | Oct. 27 | 57,208 | 17,54 | | Oct. 27 | 26,082 | 40,03 |
| | Dec. 66 | 57,195 | 17,16 | | Dec. 66 | 26,120 | 40,23 |
| 1751 | Jan. 0 | 21 53 0,288 | — 1 31 0,24 | 1761 | Jan. 0 | 21 53 29,193 | — 1 28 23,11 |
| | Apr. 10 | 0,269 | 30 59,91 | | Apr. 10 | 29,236 | 23,27 |
| | Jul. 19 | 0,242 | 59,63 | | Jul. 19 | 29,286 | 23,36 |
| | Oct. 27 | 0,207 | 59,41 | | Oct. 27 | 29,343 | 23,40 |
| | Dec. 66 | 0,163 | 59,25 | | Dec. 66 | 29,406 | 23,37 |
| 1752 | Jan. 1 | 21 53 3,266 | — 1 30 42,26 | 1762 | Jan. 0 | 21 53 32,471 | — 1 28 6,32 |
| | Apr. 10 | 3,217 | 42,14 | | Apr. 10 | 32,539 | 6,26 |
| | Jul. 19 | 3,160 | 42,09 | | Jul. 19 | 32,611 | 6,13 |
| | Oct. 27 | 3,097 | 42,10 | | Oct. 27 | 32,689 | 5,95 |
| | Dec. 66 | 3,026 | 42,18 | | Dec. 66 | 32,771 | 5,70 |
| 1753 | Jan. 0 | 21 53 6,137 | — 1 30 25,10 | 1763 | Jan. 0 | 21 53 35,829 | — 1 27 48,73 |
| | Apr. 10 | 6,062 | 25,22 | | Apr. 10 | 35,914 | 48,45 |
| | Jul. 19 | 5,982 | 25,40 | | Jul. 19 | 36,001 | 48,12 |
| | Oct. 27 | 5,898 | 25,65 | | Oct. 27 | 36,091 | 47,74 |
| | Dec. 66 | 5,809 | 25,96 | | Dec. 66 | 36,183 | 47,31 |
| 1754 | Jan. 0 | 21 53 8,926 | — 1 30 8,30 | 1764 | Jan. 1 | 21 53 39,238 | — 1 27 30,39 |
| | Apr. 10 | 8,834 | 9,15 | | Apr. 10 | 39,331 | 29,93 |
| | Jul. 19 | 8,740 | 9,55 | | Jul. 19 | 39,423 | 29,43 |
| | Oct. 27 | 8,644 | 10,00 | | Oct. 27 | 39,415 | 28,90 |
| | Dec. 66 | 8,547 | 10,50 | | Dec. 66 | 39,607 | 28,32 |
| 1755 | Jan. 0 | 21 53 11,667 | — 1 29 53,28 | 1765 | Jan. 0 | 21 53 42,663 | — 1 27 11,45 |
| | Apr. 10 | 11,569 | 53,81 | | Apr. 10 | 42,754 | 10,86 |
| | Jul. 19 | 11,472 | 54,38 | | Jul. 19 | 42,842 | 10,24 |
| | Oct. 27 | 11,377 | 54,98 | | Oct. 27 | 42,927 | 9,61 |
| | Dec. 66 | 11,283 | 55,61 | | Dec. 66 | 43,009 | 8,95 |
| 1756 | Jan. 1 | 21 53 14,401 | — 1 29 38,35 | 1766 | Jan. 0 | 21 53 46,068 | — 1 26 52,10 |
| | Apr. 10 | 14,309 | 39,00 | | Apr. 10 | 46,148 | 51,44 |
| | Jul. 19 | 14,221 | 39,67 | | Jul. 19 | 46,222 | 50,77 |
| | Oct. 27 | 14,138 | 40,35 | | Oct. 27 | 46,291 | 50,10 |
| | Dec. 66 | 14,058 | 41,04 | | Dec. 66 | 46,355 | 49,43 |
| 1757 | Jan. 0 | 21 53 17,171 | — 1 29 23,76 | 1767 | Jan. 0 | 21 53 49,421 | — 1 26 32,58 |
| | Apr. 10 | 17,096 | 24,45 | | Apr. 10 | 49,481 | 31,92 |
| | Jul. 19 | 17,027 | 25,14 | | Jul. 19 | 49,533 | 31,28 |
| | Oct. 27 | 16,965 | 25,81 | | Oct. 27 | 49,578 | 30,65 |
| | Dec. 66 | 16,910 | 26,48 | | Dec. 66 | 49,616 | 30,04 |
| 1758 | Jan. 0 | 21 53 20,014 | — 1 29 9,21 | 1768 | Jan. 1 | 21 53 52,690 | — 1 26 13,16 |
| | Apr. 10 | 19,964 | 9,86 | | Apr. 10 | 52,723 | 12,57 |
| | Jul. 19 | 19,923 | 10,49 | | Jul. 19 | 52,747 | 12,02 |
| | Oct. 27 | 19,889 | 11,08 | | Oct. 27 | 52,763 | 11,51 |
| | Dec. 66 | 19,864 | 11,65 | | Dec. 66 | 52,770 | 11,03 |
| 1759 | Jan. 0 | 21 53 22,958 | — 1 28 54,41 | 1769 | Jan. 0 | 21 53 55,854 | — 1 25 54,10 |
| | Apr. 10 | 22,939 | 54,95 | | Apr. 10 | 55,855 | 53,65 |
| | Jul. 19 | 22,929 | 55,44 | | Jul. 19 | 55,848 | 53,26 |
| | Oct. 27 | 22,928 | 55,89 | | Oct. 27 | 55,832 | 52,91 |
| | Dec. 66 | 22,935 | 56,29 | | Dec. 66 | 55,807 | 52,62 |

## Tabulae X. Sect. I. *α Aquarii.*

| | 1760 | | 1760 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,855 | — 5,0 | — 1,37 | — 7,7 | +2 | +1 |
| 10 | —0,893 | — 2,5 | — 2,13 | — 7,5 | +2 | +1 |
| 20 | —0,905 | + 0,2 | — 2,87 | — 7,0 | +2 | +1 |
| 30 | —0,890 | + 3,0 | — 3,53 | — 6,1 | +1 | +1 |
| Febr. 9 | —0,846 | + 5,8 | — 4,08 | — 4,7 | 0 | +1 |
| 19 | —0,774 | + 8,8 | — 4,47 | — 3,0 | 0 | 0 |
| Mart. 1 | —0,671 | +11,8 | — 4,68 | — 1,0 | —1 | 0 |
| 11 | —0,537 | +15,0 | — 4,66 | + 1,5 | —1 | 0 |
| 21 | —0,372 | +18,0 | — 4,39 | + 4,1 | —2 | 0 |
| 31 | —0,177 | +21,0 | — 3,85 | + 6,8 | —2 | 0 |
| Apr. 10 | +0,048 | +23,8 | — 3,03 | + 9,5 | —2 | —1 |
| 20 | +0,299 | +26,3 | — 1,95 | +12,0 | —3 | —1 |
| 30 | +0,574 | +28,4 | — 0,63 | +14,3 | —3 | —1 |
| Maj. 10 | +0,867 | +29,9 | + 0,91 | +16,3 | —3 | —1 |
| 20 | +1,172 | +30,8 | + 2,63 | +17,8 | —3 | —1 |
| 30 | +1,482 | +31,0 | + 4,46 | +18,8 | —3 | —1 |
| Jun. 9 | +1,791 | +30,4 | + 6,38 | +19,3 | —3 | —1 |
| 19 | +2,090 | +29,0 | + 8,31 | +19,1 | —3 | 0 |
| 29 | +2,371 | +26,9 | +10,20 | +18,6 | —2 | 0 |
| Jul. 9 | +2,628 | +24,1 | +12,02 | +17,6 | —2 | 0 |
| 19 | +2,852 | +20,6 | +13,71 | +16,1 | —2 | 0 |
| 29 | +3,039 | +16,7 | +15,23 | +14,3 | —1 | +1 |
| Aug. 8 | +3,185 | +12,4 | +16,56 | +12,3 | —1 | +1 |
| 18 | +3,287 | + 8,0 | +17,68 | +10,2 | —1 | +1 |
| 28 | +3,345 | + 3,7 | +18,59 | + 8,0 | 0 | +2 |
| Sept. 7 | +3,360 | — 0,5 | +19,27 | + 5,7 | 0 | +2 |
| 17 | +3,335 | — 4,3 | +19,73 | + 3,6 | +1 | +2 |
| 27 | +3,275 | — 7,5 | +19,99 | + 1,7 | +1 | +3 |
| Oct. 7 | +3,186 | —10,1 | +20,07 | — 0,1 | +2 | +3 |
| 17 | +3,074 | —12,0 | +19,97 | — 1,7 | +2 | +3 |
| 27 | +2,947 | —13,0 | +19,73 | — 3,1 | +2 | +3 |
| Nov. 6 | +2,814 | —13,3 | +19,36 | — 4,3 | +3 | +3 |
| 16 | +2,681 | —13,0 | +18,88 | — 5,3 | +3 | +4 |
| 26 | +2,555 | —12,0 | +18,30 | — 6,2 | +3 | +4 |
| Dec. 6 | +2,441 | —10,6 | +17,64 | — 6,9 | +3 | +4 |
| 16 | +2,344 | — 8,7 | +16,93 | — 7,4 | +2 | +4 |
| 26 | +2,268 | — 6,5 | +16,17 | — 7,7 | +2 | +4 |
| 36 | +2,214 | — 4,1 | +15,40 | — 7,7 | +2 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1750 | 21 52 56,1789 | — 1 31 23,611 |
| 1751 | 52 59,2659 | 31 6,573 |
| 1752 | 53 2,3528 | 30 49,533 |
| 1753 | 53 5,4397 | 30 32,491 |
| 1754 | 53 8,5265 | 30 15,446 |
| 1755 | 53 11,6133 | 29 58,400 |
| 1756 | 53 14,7000 | 29 41,350 |
| 1757 | 53 17,7867 | 29 24,299 |
| 1758 | 53 20,8734 | 29 7,245 |
| 1759 | 53 23,9600 | 28 50,189 |
| 1760 | 53 27,0465 | 28 33,130 |
| 1761 | 53 30,1330 | 28 16,070 |
| 1762 | 53 33,2195 | 27 59,007 |
| 1763 | 53 36,3059 | 27 41,942 |
| 1764 | 53 39,3923 | 27 24,875 |
| 1765 | 53 42,4787 | 27 7,806 |
| 1766 | 53 45,5650 | 26 50,734 |
| 1767 | 53 48,6513 | 26 33,660 |
| 1768 | 53 51,7375 | 26 16,584 |
| 1769 | 53 54,8237 | 25 59,505 |
| 1770 | 53 57,9098 | 25 42,423 |

Diei reducto addendum est:

ante / post } Febr. 14 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Piscis austrini.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 22h 43′ 47″,842 | —30° 56′ 17″,95 | 1760 | Jan. 1 | 22h 44′ 19″,153 | —30° 53′ 22″,67 |
| | Apr. 10 | 47,827 | 17,59 | | Apr. 10 | 19,197 | 22,86 |
| | Jul. 19 | 47,803 | 17,28 | | Jul. 19 | 19,249 | 23,00 |
| | Oct. 27 | 47,768 | 17,02 | | Oct. 27 | 19,309 | 23,08 |
| | Dec. 66 | 47,724 | 16,82 | | Dec. 66 | 19,377 | 23,11 |
| 1751 | Jan. 0 | 22 43 51,097 | —30 55 58,15 | 1761 | Jan. 0 | 22 44 22,708 | —30 53 4,36 |
| | Apr. 10 | 51,048 | 57,99 | | Apr. 10 | 22,785 | 4,34 |
| | Jul. 19 | 50,990 | 57,89 | | Jul. 19 | 22,860 | 4,27 |
| | Oct. 27 | 50,924 | 57,85 | | Oct. 27 | 22,945 | 4,14 |
| | Dec. 66 | 50,850 | 57,86 | | Dec. 66 | 23,035 | 3,95 |
| 1752 | Jan. 1 | 22 43 54,231 | —30 55 39,12 | 1762 | Jan. 0 | 22 44 26,359 | —30 52 45,27 |
| | Apr. 10 | 54,152 | 39,17 | | Apr. 10 | 26,452 | 45,04 |
| | Jul. 19 | 54,067 | 39,29 | | Jul. 19 | 26,549 | 44,77 |
| | Oct. 27 | 53,975 | 39,47 | | Oct. 27 | 26,649 | 44,45 |
| | Dec. 66 | 53,878 | 39,71 | | Dec. 66 | 26,752 | 44,08 |
| 1753 | Jan. 0 | 22 43 57,267 | —30 55 20,88 | 1763 | Jan. 0 | 22 44 30,071 | —30 52 25,45 |
| | Apr. 10 | 57,166 | 21,16 | | Apr. 10 | 30,176 | 25,05 |
| | Jul. 19 | 57,063 | 21,49 | | Jul. 19 | 30,280 | 24,61 |
| | Oct. 27 | 56,957 | 21,87 | | Oct. 27 | 30,384 | 24,13 |
| | Dec. 66 | 56,848 | 22,30 | | Dec. 66 | 30,488 | 23,62 |
| 1754 | Jan. 0 | 22 44 0,241 | —30 55 3,41 | 1764 | Jan. 1 | 22 44 33,807 | —30 52 5,04 |
| | Apr. 10 | 0,131 | 3,87 | | Apr. 10 | 33,910 | 4,51 |
| | Jul. 19 | 0,022 | 4,37 | | Jul. 19 | 34,011 | 3,95 |
| | Oct. 27 | 43 59,914 | 4,91 | | Oct. 27 | 34,108 | 3,37 |
| | Dec. 66 | 59,806 | 5,49 | | Dec. 66 | 34,203 | 2,76 |
| 1755 | Jan. 0 | 22 44 3,197 | —30 54 46,55 | 1765 | Jan. 0 | 22 44 37,525 | —30 51 44,21 |
| | Apr. 10 | 3,091 | 47,14 | | Apr. 10 | 37,617 | 43,60 |
| | Jul. 19 | 2,989 | 47,76 | | Jul. 19 | 37,703 | 42,98 |
| | Oct. 27 | 2,891 | 48,39 | | Oct. 27 | 37,784 | 42,35 |
| | Dec. 66 | 2,798 | 49,04 | | Dec. 66 | 37,859 | 41,72 |
| 1756 | Jan. 1 | 22 44 6,184 | —30 54 30,08 | 1766 | Jan. 0 | 22 44 41,187 | —30 51 23,18 |
| | Apr. 10 | 6,094 | 30,74 | | Apr. 10 | 41,258 | 22,55 |
| | Jul. 19 | 6,012 | 31,39 | | Jul. 19 | 41,320 | 21,93 |
| | Oct. 27 | 5,937 | 32,04 | | Oct. 27 | 41,375 | 21,33 |
| | Dec. 66 | 5,869 | 32,68 | | Dec. 66 | 41,422 | 20,74 |
| 1757 | Jan. 0 | 22 44 9,246 | —30 54 13,73 | 1767 | Jan. 0 | 22 44 44,760 | —30 51 2,18 |
| | Apr. 10 | 9,184 | 14,37 | | Apr. 10 | 44,802 | 1,61 |
| | Jul. 19 | 9,131 | 14,98 | | Jul. 19 | 44,834 | 1,06 |
| | Oct. 27 | 9,087 | 15,57 | | Oct. 27 | 44,857 | 0,55 |
| | Dec. 66 | 9,052 | 16,13 | | Dec. 66 | 44,871 | 0,07 |
| 1758 | Jan. 0 | 22 44 12,417 | —30 53 57,20 | 1768 | Jan. 1 | 22 44 48,220 | —30 50 41,47 |
| | Apr. 10 | 12,389 | 57,74 | | Apr. 10 | 48,227 | 41,01 |
| | Jul. 19 | 12,371 | 58,25 | | Jul. 19 | 48,224 | 40,60 |
| | Oct. 27 | 12,363 | 58,71 | | Oct. 27 | 48,212 | 40,24 |
| | Dec. 66 | 12,365 | 59,13 | | Dec. 66 | 48,190 | 39,92 |
| 1759 | Jan. 0 | 22 44 15,718 | —30 53 40,25 | 1769 | Jan. 0 | 22 44 51,551 | —30 50 21,26 |
| | Apr. 10 | 15,727 | 40,64 | | Apr. 10 | 51,523 | 20,98 |
| | Jul. 19 | 15,745 | 40,98 | | Jul. 19 | 51,485 | 20,75 |
| | Oct. 27 | 15,774 | 41,26 | | Oct. 27 | 51,438 | 20,53 |
| | Dec. 66 | 15,812 | 41,49 | | Dec. 66 | 51,381 | 20,46 |

## Tabulae X. Sect. I. *α Piscis austrini.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,732 | − 9,8 | −10,00 | + 3,0 | +4 | 0 | 1750 | 22 43 46,6871 | −30 56 23,580 |
| 10 | −0,819 | − 7,5 | − 9,56 | + 5,8 | +4 | 0 | 1751 | 43 50,0435 | 56 4,847 |
| 20 | −0,881 | − 4,9 | − 8,85 | + 8,4 | +3 | −1 | 1752 | 43 53,3996 | 55 46,113 |
| 30 | −0,916 | − 2,0 | − 7,89 | +10,9 | +3 | −1 | 1753 | 43 56,7555 | 55 27,377 |
| Febr. 9 | −0,921 | + 1,1 | − 6,68 | +13,3 | +2 | −2 | 1754 | 44 0,1112 | 55 8,640 |
| | | | | | | | 1755 | 44 3,4667 | 54 49,900 |
| 19 | −0,894 | + 4,4 | − 5,24 | +15,4 | +1 | −2 | 1756 | 44 6,8220 | 54 31,161 |
| Mart. 1 | −0,834 | + 7,8 | − 3,60 | +17,3 | +1 | −2 | 1757 | 44 10,1771 | 54 12,419 |
| 11 | −0,738 | +11,5 | − 1,78 | +19,0 | 0 | −2 | 1758 | 44 13,5319 | 53 53,675 |
| 21 | −0,605 | +15,2 | + 0,19 | +20,4 | −1 | −3 | 1759 | 44 16,8865 | 53 34,930 |
| 31 | −0,434 | +19,0 | + 2,30 | +21,5 | −2 | −3 | 1760 | 44 20,2409 | 53 16,184 |
| | | | | | | | 1761 | 44 23,5951 | 52 57,436 |
| Apr. 10 | −0,226 | +22,6 | + 4,49 | +22,2 | −2 | −3 | 1762 | 44 26,9491 | 52 38,687 |
| 20 | +0,017 | +26,1 | + 6,73 | +22,4 | −3 | −2 | 1763 | 44 30,3029 | 52 19,936 |
| 30 | +0,295 | +29,2 | + 8,97 | +22,2 | −3 | −2 | 1764 | 44 33,6565 | 52 1,184 |
| Maj. 10 | +0,601 | +31,8 | +11,17 | +21,6 | −4 | −2 | 1765 | 44 37,0097 | 51 42,430 |
| 20 | +0,930 | +33,8 | +13,28 | +20,4 | −4 | −2 | 1766 | 44 40,3628 | 51 23,675 |
| | | | | | | | 1767 | 44 43,7157 | 51 4,918 |
| 30 | +1,276 | +35,0 | +15,24 | +18,7 | 4 | −1 | 1768 | 44 47,0684 | 50 46,160 |
| Jun. 9 | +1,630 | +35,4 | +17,01 | +16,5 | 5 | −1 | 1769 | 44 50,4209 | 50 27,400 |
| 19 | +1,983 | +34,9 | +18,53 | +13,8 | −5 | 0 | 1770 | 44 53,7731 | 50 8,639 |
| 29 | +2,327 | +33,5 | +19,77 | +10,8 | −5 | 0 | | | |
| Jul. 9 | +2,652 | +31,2 | +20,69 | + 7,6 | −5 | +1 | | | |
| 19 | +2,950 | +28,1 | +21,28 | + 4,2 | −4 | +1 | | | |
| 29 | +3,213 | +24,2 | +21,52 | + 0,7 | −4 | +2 | | | |
| Aug. 8 | +3,434 | +19,8 | +21,42 | − 2,7 | −4 | +3 | | | |
| 18 | +3,609 | +15,0 | +20,99 | − 5,8 | −3 | +3 | | | |
| 28 | +3,734 | +10,0 | +20,26 | − 8,6 | −3 | + | | | |
| Sept. 7 | +3,809 | + 5,1 | +19,28 | −10 [illegible] | −2 | +4 | | | |
| 17 | +3,835 | + 0,3 | +18,10 | −12,5 | −2 | +4 | | | |
| 27 | +3,815 | − 4,1 | +16,78 | −13,6 | −1 | +4 | | | |
| Oct. 7 | +3,754 | − 7,8 | +15,38 | −14,1 | 0 | +4 | | | |
| 17 | +3,659 | −10,9 | +13,97 | −13,8 | 0 | +4 | | | |
| 27 | +3,537 | −13,1 | +12,63 | −12,9 | +1 | +4 | | | |
| Nov. 6 | +3,397 | −14,5 | +11,40 | −11,4 | +1 | +4 | | | |
| 16 | +3,247 | −15,2 | +10,36 | − 9,4 | +2 | +4 | | | |
| 26 | +3,094 | −15,1 | + 9,53 | − 7,1 | +2 | +3 | | | |
| Dec. 6 | +2,946 | −14,3 | + 8,95 | − 4,5 | +2 | +3 | | | |
| 16 | +2,809 | −12,9 | + 8,64 | − 1,7 | +2 | +2 | | | |
| 26 | +2,688 | −11,1 | + 8,62 | + 1,2 | +2 | +2 | | | |
| 36 | +2,587 | − 9,0 | + 8,88 | + 4,0 | +2 | +1 | | | |

Diei reducto addendum est:

ante / post } Febr. 27 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *a Pegasi.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1750 | Jan. 0 | 22 52 20,481 | +13 51 59,57 |
| | Apr. 10 | 20,508 | 59,90 |
| | Jul. 19 | 20,527 | 52 0,18 |
| | Oct. 27 | 20,538 | 0,40 |
| | Dec. 66 | 20,540 | 0,57 |
| 1751 | Jan. 0 | 22 52 23,517 | +13 52 19,70 |
| | Apr. 10 | 23,513 | 19,83 |
| | Jul. 19 | 23,501 | 19,90 |
| | Oct. 27 | 23,480 | 19,92 |
| | Dec. 66 | 23,451 | 19,87 |
| 1752 | Jan. 1 | 22 52 26,439 | +13 52 39,07 |
| | Apr. 10 | 26,404 | 38,98 |
| | Jul. 19 | 26,362 | 38,84 |
| | Oct. 27 | 26,311 | 38,64 |
| | Dec. 66 | 26,253 | 38,37 |
| 1753 | Jan. 0 | 22 52 29,251 | +13 52 57,65 |
| | Apr. 10 | 29,188 | 57,35 |
| | Jul. 19 | 29,120 | 57,00 |
| | Oct. 27 | 29,046 | 56,60 |
| | Dec. 66 | 28,966 | 56,15 |
| 1754 | Jan. 0 | 22 52 31,970 | +13 53 15,48 |
| | Apr. 10 | 31,887 | 15,00 |
| | Jul. 19 | 31,800 | 14,49 |
| | Oct. 27 | 31,711 | 13,94 |
| | Dec. 66 | 31,618 | 13,36 |
| 1755 | Jan. 0 | 22 52 34,627 | +13 53 32,74 |
| | Apr. 10 | 34,533 | 32,13 |
| | Jul. 19 | 34,438 | 31,52 |
| | Oct. 27 | 34,344 | 30,89 |
| | Dec. 66 | 34,250 | 30,25 |
| 1756 | Jan. 1 | 22 52 37,259 | +13 53 49,66 |
| | Apr. 10 | 37,166 | 48,99 |
| | Jul. 19 | 37,075 | 48,34 |
| | Oct. 27 | 36,987 | 47,69 |
| | Dec. 66 | 36,903 | 47,06 |
| 1757 | Jan. 0 | 22 52 39,909 | +13 54 6,46 |
| | Apr. 10 | 39,827 | 5,84 |
| | Jul. 19 | 39,751 | 5,24 |
| | Oct. 27 | 39,681 | 4,67 |
| | Dec. 66 | 39,616 | 4,12 |
| 1758 | Jan. 0 | 22 52 42,615 | +13 54 23,48 |
| | Apr. 10 | 42,554 | 22,96 |
| | Jul. 19 | 42,501 | 22,48 |
| | Oct. 27 | 42,456 | 22,04 |
| | Dec. 66 | 42,418 | 21,65 |
| 1759 | Jan. 0 | 22 52 45,408 | +13 54 40,96 |
| | Apr. 10 | 45,375 | 40,60 |
| | Jul. 19 | 45,351 | 40,29 |
| | Oct. 27 | 45,335 | 40,03 |
| | Dec. 66 | 45,328 | 39,83 |
| 1760 | Jan. 1 | 22 52 48,307 | +13 54 59,08 |
| | Apr. 10 | 48,306 | 58,92 |
| | Jul. 19 | 48,313 | 58,81 |
| | Oct. 27 | 48,328 | 58,76 |
| | Dec. 66 | 48,351 | 58,77 |
| 1761 | Jan. 0 | 22 52 51,320 | +13 55 17,95 |
| | Apr. 10 | 51,349 | 18,00 |
| | Jul. 19 | 51,385 | 18,10 |
| | Oct. 27 | 51,428 | 18,26 |
| | Dec. 66 | 51,479 | 18,47 |
| 1762 | Jan. 0 | 22 52 54,439 | +13 55 37,59 |
| | Apr. 10 | 54,493 | 37,84 |
| | Jul. 19 | 54,553 | 38,13 |
| | Oct. 27 | 54,619 | 38,48 |
| | Dec. 66 | 54,690 | 38,87 |
| 1763 | Jan. 0 | 22 52 57,644 | +13 55 57,92 |
| | Apr. 10 | 57,722 | 58,34 |
| | Jul. 19 | 57,802 | 58,80 |
| | Oct. 27 | 57,886 | 59,29 |
| | Dec. 66 | 57,972 | 59,82 |
| 1764 | Jan. 1 | 22 53 0,920 | +13 56 18,83 |
| | Apr. 10 | 1,008 | 19,38 |
| | Jul. 19 | 1,096 | 19,94 |
| | Oct. 27 | 1,186 | 20,53 |
| | Dec. 66 | 1,276 | 21,14 |
| 1765 | Jan. 0 | 22 53 4,224 | +13 56 40,13 |
| | Apr. 10 | 4,314 | 40,74 |
| | Jul. 19 | 4,403 | 41,36 |
| | Oct. 27 | 4,491 | 41,98 |
| | Dec. 66 | 4,577 | 42,61 |
| 1766 | Jan. 0 | 22 53 7,526 | +13 57 1,59 |
| | Apr. 10 | 7,610 | 2,21 |
| | Jul. 19 | 7,690 | 2,81 |
| | Oct. 27 | 7,766 | 3,40 |
| | Dec. 66 | 7,837 | 3,97 |
| 1767 | Jan. 0 | 22 53 10,792 | +13 57 22,98 |
| | Apr. 10 | 10,860 | 23,54 |
| | Jul. 19 | 10,922 | 24,06 |
| | Oct. 27 | 10,978 | 24,55 |
| | Dec. 66 | 11,027 | 25,01 |
| 1768 | Jan. 1 | 22 53 13,990 | +13 57 44,06 |
| | Apr. 10 | 14,034 | 44,49 |
| | Jul. 19 | 14,071 | 44,88 |
| | Oct. 27 | 14,100 | 45,21 |
| | Dec. 66 | 14,121 | 45,50 |
| 1769 | Jan. 0 | 22 53 17,094 | +13 58 4,61 |
| | Apr. 10 | 17,109 | 4,86 |
| | Jul. 19 | 17,116 | 5,06 |
| | Oct. 27 | 17,115 | 5,20 |
| | Dec. 66 | 17,105 | 5,29 |

## Tabulae X. Sect. I. *a Pegasi.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,575 | − 9,4 | + 3,32 | −10,6 | +3 | +2 | 1750 | 22 52 19,5334 | +13 51 53,798 |
| 10 | −0,661 | − 7,7 | + 2,19 | −11,8 | +2 | +2 | 1751 | 52 22,5106 | 52 12,976 |
| 20 | −0,729 | − 5,8 | + 0,97 | −12,5 | +2 | +2 | 1752 | 52 25,4879 | 52 32,155 |
| 30 | −0,776 | − 3,5 | − 0,30 | −12,6 | +2 | +2 | 1753 | 52 28,4652 | 52 51,335 |
| Febr. 9 | −0,798 | − 0,8 | − 1,54 | −12,1 | +1 | +2 | 1754 | 52 31,4426 | 53 10,517 |
| | | | | | | | 1755 | 52 34,4200 | 53 29,700 |
| 19 | −0,792 | + 2,2 | − 2,71 | −11,1 | +1 | +2 | 1756 | 52 37,3975 | 53 48,884 |
| Mart. 1 | −0,755 | + 5,5 | − 3,75 | − 9,4 | 0 | +2 | 1757 | 52 40,3750 | 54 8,069 |
| 11 | −0,683 | + 9,0 | − 4,58 | − 7,1 | −1 | +1 | 1758 | 52 43,3527 | 54 27,254 |
| 21 | −0,576 | +12,6 | − 5,16 | − 4,3 | −1 | +1 | 1759 | 52 46,3304 | 54 46,441 |
| 31 | −0,431 | +16,3 | − 5,44 | − 1,1 | −1 | +1 | 1760 | 52 49,3081 | 55 5,629 |
| | | | | | | | 1761 | 52 52,2859 | 55 24,818 |
| Apr. 10 | −0,250 | +19,9 | − 5,38 | + 2,3 | −2 | 0 | 1762 | 52 55,2637 | 55 44,009 |
| 20 | −0,033 | +23,3 | − 4,98 | + 5,8 | −2 | 0 | 1763 | 52 58,2416 | 56 3,201 |
| 30 | +0,216 | +26,3 | − 4,23 | + 9,3 | −2 | 0 | 1764 | 53 1,2194 | 56 22,394 |
| Maj. 10 | +0,492 | +28,7 | − 3,13 | +12,6 | −3 | −1 | 1765 | 53 4,1974 | 56 41,588 |
| 20 | +0,790 | +30,5 | − 1,72 | +15,5 | −3 | −1 | 1766 | 53 7,1754 | 57 0,783 |
| | | | | | | | 1767 | 53 10,1535 | 57 19,979 |
| 30 | +1,102 | +31,6 | − 0,03 | +18,1 | −3 | −1 | 1768 | 53 13,1316 | 57 39,177 |
| Jun. 9 | +1,421 | +31,8 | + 1,90 | +20,2 | −3 | −1 | 1769 | 53 16,1099 | 57 58,376 |
| 19 | +1,738 | +31,2 | + 4,01 | +21,7 | −2 | −2 | 1770 | 53 19,0881 | 58 17,576 |
| 29 | +2,044 | +29,3 | + 6,24 | +22,6 | −2 | −2 | | | |
| Jul. 9 | +2,333 | +27,6 | + 8,53 | +23,0 | −2 | −2 | | | |
| 19 | +2,595 | +24,7 | +10,83 | +22,8 | −2 | −1 | | | |
| 29 | +2,826 | +21,3 | +13,09 | +22,1 | −1 | −1 | | | |
| Aug. 8 | +3,020 | +17,4 | +15,24 | +20,9 | −1 | −1 | | | |
| 18 | +3,173 | +13,2 | +17,26 | +19,3 | 0 | −1 | | | |
| 28 | +3,284 | + 9,0 | +19,10 | +17,4 | 0 | −1 | | | |
| Sept. 7 | +3,353 | + 4,9 | +20,73 | +15,3 | +1 | 0 | | | |
| 17 | +3,381 | + 0,9 | +22,15 | +13,0 | +1 | 0 | | | |
| 27 | +3,371 | − 2,7 | +23,33 | +10,6 | +2 | 0 | | | |
| Oct. 7 | +3,328 | − 5,7 | +24,26 | + 8,1 | +2 | +1 | | | |
| 17 | +3,257 | − 8,2 | +24,94 | + 5,6 | +3 | +1 | | | |
| 27 | +3,164 | −10,1 | +25,38 | + 3,2 | +3 | +2 | | | |
| Nov. 6 | +3,055 | −11,4 | +25,57 | + 0,7 | +3 | +2 | | | |
| 16 | +2,937 | −12,1 | +25,52 | − 1,7 | +3 | +2 | | | |
| 26 | +2,813 | −12,3 | +25,24 | − 3,9 | +4 | +3 | | | |
| Dec. 6 | +2,691 | −12,0 | +24,74 | − 6,0 | +4 | +3 | | | |
| 16 | +2,573 | −11,4 | +24,04 | − 8,0 | +4 | +3 | | | |
| 26 | +2,464 | −10,2 | +23,14 | − 9,7 | +3 | +3 | | | |
| 36 | +2,369 | − 8,8 | +22,10 | −11,1 | +3 | +3 | | | |

Diei reducto addendum est:

ante } Mart. 1 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Andromedae.*

| | | | |
|---|---|---|---|
| 1750 | Jan. 0 | 23h 55′ 32″,124 | +27° 42′ 39″,57 |
| | Apr. 10 | 32,168 | 39,68 |
| | Jul. 19 | 32,203 | 39,74 |
| | Oct. 27 | 32,229 | 39,74 |
| | Dec. 66 | 32,247 | 39,68 |
| 1751 | Jan. 0 | 23 55 35,306 | +27 42 59,61 |
| | Apr. 10 | 35,318 | 59,52 |
| | Jul. 19 | 35,320 | 59,37 |
| | Oct. 27 | 35,313 | 59,16 |
| | Dec. 66 | 35,297 | 58,90 |
| 1752 | Jan. 1 | 23 55 38,368 | +27 43 18,90 |
| | Apr. 10 | 38,346 | 18,60 |
| | Jul. 19 | 38,316 | 18,26 |
| | Oct. 27 | 38,276 | 17,86 |
| | Dec. 66 | 38,227 | 17,42 |
| 1753 | Jan. 0 | 23 55 41,309 | +27 43 37,48 |
| | Apr. 10 | 41,255 | 37,01 |
| | Jul. 19 | 41,194 | 36,51 |
| | Oct. 27 | 41,125 | 35,98 |
| | Dec. 66 | 41,049 | 35,41 |
| 1754 | Jan. 0 | 23 55 44,140 | +27 43 55,51 |
| | Apr. 10 | 44,060 | 54,92 |
| | Jul. 19 | 43,976 | 54,32 |
| | Oct. 27 | 43,886 | 53,71 |
| | Dec. 66 | 43,792 | 53,08 |
| 1755 | Jan. 0 | 23 55 46,889 | +27 44 13,20 |
| | Apr. 10 | 46,793 | 12,57 |
| | Jul. 19 | 46,695 | 11,94 |
| | Oct. 27 | 46,596 | 11,32 |
| | Dec. 66 | 46,495 | 10,70 |
| 1756 | Jan. 1 | 23 55 49,594 | +27 44 30,81 |
| | Apr. 10 | 49,493 | 30,21 |
| | Jul. 19 | 49,393 | 29,63 |
| | Oct. 27 | 49,296 | 29,08 |
| | Dec. 66 | 49,200 | 28,55 |
| 1757 | Jan. 0 | 23 55 52,297 | +27 44 48,64 |
| | Apr. 10 | 52,204 | 48,13 |
| | Jul. 19 | 52,115 | 47,67 |
| | Oct. 27 | 52,031 | 47,25 |
| | Dec. 66 | 51,951 | 46,88 |
| 1758 | Jan. 0 | 23 55 55,043 | +27 45 6,91 |
| | Apr. 10 | 54,967 | 6,57 |
| | Jul. 19 | 54,899 | 6,28 |
| | Oct. 27 | 54,838 | 6,04 |
| | Dec. 66 | 54,784 | 5,86 |
| 1759 | Jan. 0 | 23 55 57,867 | +27 45 25,82 |
| | Apr. 10 | 57,819 | 25,67 |
| | Jul. 19 | 57,779 | 25,58 |
| | Oct. 27 | 57,748 | 25,55 |
| | Dec. 66 | 57,725 | 25,58 |
| 1760 | Jan. 1 | 23h 56′ 0″,796 | +27° 45′ 45″,47 |
| | Apr. 10 | 0,779 | 45,53 |
| | Jul. 19 | 0,771 | 45,65 |
| | Oct. 27 | 0,772 | 45,82 |
| | Dec. 66 | 0,781 | 46,05 |
| 1761 | Jan. 0 | 23 56 3,843 | +27 46 5,87 |
| | Apr. 10 | 3,859 | 6,13 |
| | Jul. 19 | 3,883 | 6,44 |
| | Oct. 27 | 3,915 | 6,79 |
| | Dec. 66 | 3,956 | 7,19 |
| 1762 | Jan. 0 | 23 56 7,008 | +27 46 26,96 |
| | Apr. 10 | 7,054 | 27,38 |
| | Jul. 19 | 7,107 | 27,84 |
| | Oct. 27 | 7,167 | 28,33 |
| | Dec. 66 | 7,234 | 28,85 |
| 1763 | Jan. 0 | 23 56 10,278 | +27 46 48,58 |
| | Apr. 10 | 10,349 | 49,12 |
| | Jul. 19 | 10,425 | 49,68 |
| | Oct. 27 | 10,506 | 50,25 |
| | Dec. 66 | 10,591 | 50,84 |
| 1764 | Jan. 1 | 23 56 13,629 | +27 47 10,55 |
| | Apr. 10 | 13,717 | 11,15 |
| | Jul. 19 | 13,808 | 11,75 |
| | Oct. 27 | 13,901 | 12,35 |
| | Dec. 66 | 13,997 | 12,95 |
| 1765 | Jan. 0 | 23 56 17,032 | +27 47 32,65 |
| | Apr. 10 | 17,128 | 33,24 |
| | Jul. 19 | 17,224 | 33,82 |
| | Oct. 27 | 17,320 | 34,38 |
| | Dec. 66 | 17,415 | 34,93 |
| 1766 | Jan. 0 | 23 56 20,450 | +27 47 54,66 |
| | Apr. 10 | 20,545 | 55,18 |
| | Jul. 19 | 20,636 | 55,67 |
| | Oct. 27 | 20,724 | 56,13 |
| | Dec. 66 | 20,808 | 56,56 |
| 1767 | Jan. 0 | 23 56 23,848 | +27 48 16,33 |
| | Apr. 10 | 23,930 | 16,73 |
| | Jul. 19 | 24,006 | 17,09 |
| | Oct. 27 | 24,077 | 17,40 |
| | Dec. 66 | 24,142 | 17,66 |
| 1768 | Jan. 1 | 23 56 27,189 | +27 48 37,49 |
| | Apr. 10 | 27,249 | 37,72 |
| | Jul. 19 | 27,302 | 37,90 |
| | Oct. 27 | 27,347 | 38,02 |
| | Dec. 66 | 27,384 | 38,09 |
| 1769 | Jan. 0 | 23 56 30,440 | +27 48 57,98 |
| | Apr. 10 | 30,472 | 58,01 |
| | Jul. 19 | 30,495 | 57,98 |
| | Oct. 27 | 30,509 | 57,90 |
| | Dec. 66 | 30,514 | 57,76 |

## Tabulae X. Sect. I. *α Andromedae.*

| | 1760 | | 1760 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,226 | −13,5 | + 8,19 | − 8,5 | +3 | +2 | 1750 | 23 55 31,1823 | +27 42 33,055 |
| 10 | −0,359 | −12,9 | + 7,21 | −11,1 | +3 | +2 | 1751 | 55 34,2469 | 42 52,964 |
| 20 | −0,484 | −11,9 | + 5,98 | −13,2 | +3 | +3 | 1752 | 55 37,3116 | 43 12,873 |
| 30 | −0,596 | −10,3 | + 4,57 | −14,8 | +2 | +3 | 1753 | 55 40,3765 | 43 32,782 |
| Febr. 9 | −0,689 | − 8,1 | + 3,02 | −15,9 | +2 | +3 | 1754 | 55 43,4415 | 43 52,691 |
| | | | | | | | 1755 | 55 46,5067 | 44 12,600 |
| 19 | −0,757 | − 5,2 | + 1,40 | −16,1 | +1 | +3 | 1756 | 55 49,5721 | 44 32,509 |
| Mart. 1 | −0,793 | − 1,8 | − 0,20 | −15,6 | +1 | +3 | 1757 | 55 52,6378 | 44 52,418 |
| 11 | −0,792 | + 2,2 | − 1,72 | −14,4 | 0 | +3 | 1758 | 55 55,7036 | 45 12,327 |
| 21 | −0,750 | + 6,4 | − 3,08 | −12,4 | 0 | +2 | 1759 | 55 58,7696 | 45 32,236 |
| 31 | −0,664 | +10,9 | − 4,20 | − 9,8 | −1 | +2 | 1760 | 56 1,8358 | 45 52,144 |
| | | | | | | | 1761 | 56 4,9021 | 46 12,052 |
| Apr. 10 | −0,532 | +15,5 | − 5,03 | − 6,6 | −1 | +2 | 1762 | 56 7,9686 | 46 31,961 |
| 20 | −0,355 | +19,9 | − 5,52 | − 3,0 | −2 | +1 | 1763 | 56 11,0353 | 46 51,869 |
| 30 | −0,135 | +24,0 | − 5,63 | + 0,9 | −2 | +1 | 1764 | 56 14,1022 | 47 11,778 |
| Maj. 10 | +0,124 | +27,5 | − 5,35 | + 4,7 | −2 | 0 | 1765 | 56 17,1692 | 47 31,686 |
| 20 | +0,415 | +30,4 | − 4,69 | + 8,6 | −3 | 0 | 1766 | 56 20,2364 | 47 51,594 |
| | | | | | | | 1767 | 56 23,3038 | 48 11,503 |
| 30 | +0,732 | +32,6 | − 3,63 | +12,4 | −3 | −1 | 1768 | 56 26,3714 | 48 31,411 |
| Jun. 9 | +1,066 | +33,9 | − 2,22 | +15,7 | −3 | −1 | 1769 | 56 29,4391 | 48 51,320 |
| 19 | +1,409 | +34,2 | − 0,50 | +18,6 | −2 | −2 | 1770 | 56 32,5070 | 49 11,228 |
| 29 | +1,750 | +33,7 | + 1,49 | +21,0 | −2 | −2 | | | |
| Jul. 9 | +2,082 | +32,3 | + 3,70 | +22,9 | −2 | −2 | | | |
| 19 | +2,395 | +30,1 | + 6,07 | +24,2 | −2 | −3 | | | |
| 29 | +2,683 | +27,2 | + 8,54 | +24,9 | −1 | −3 | | | |
| Aug. 8 | +2,938 | +23,7 | +11,05 | +25,1 | −1 | −3 | | | |
| 18 | +3,157 | +19,9 | +13,55 | +24,7 | 0 | −3 | | | |
| 28 | +3,336 | +15,9 | +15,98 | +23,8 | 0 | −3 | | | |
| Sept. 7 | +3,474 | +11,7 | +18,31 | +22,6 | +1 | −3 | | | |
| 17 | +3,570 | + 7,7 | +20,49 | +20,9 | +2 | −2 | | | |
| 27 | +3,627 | + 3,8 | +22,49 | +18,9 | +2 | −2 | | | |
| Oct. 7 | +3,646 | + 0,2 | +24,27 | +16,7 | +3 | −2 | | | |
| 17 | +3,630 | − 3,1 | +25,82 | +14,2 | +3 | −1 | | | |
| 27 | +3,585 | − 5,8 | +27,10 | +11,5 | +4 | −1 | | | |
| Nov. 6 | +3,514 | − 8,2 | +28,11 | + 8,6 | +4 | 0 | | | |
| 16 | +3,422 | −10,1 | +28,81 | + 5,6 | +5 | 0 | | | |
| 26 | +3,313 | −11,6 | +29,22 | + 2,6 | +5 | +1 | | | |
| Dec. 6 | +3,191 | −12,7 | +29,32 | − 0,6 | +5 | +1 | | | |
| 16 | +3,060 | −13,3 | +29,10 | − 3,8 | +5 | +1 | | | |
| 26 | +2,925 | −13,5 | +28,57 | − 6,7 | +5 | +2 | | | |
| 36 | +2,790 | −13,4 | +27,76 | − 9,5 | +5 | +2 | | | |

Diei reducto addendum est:

ante } Mart. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. I. *α Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1750 | Jan. 0 | 0 42 51,84 | + 1,57 | 87 58 9,31 | — 0,06 | 555 | 495 |
| | Apr. 10 | 53,41 | + 1,54 | 9,25 | — 0,11 | | |
| | Jul. 19 | 54,95 | + 1,52 | 9,14 | — 0,17 | | |
| | Oct. 27 | 56,47 | + 1,50 | 8,97 | — 0,23 | | |
| | Dec. 66 | 57,97 | | 8,74 | | | |
| 1751 | Jan. 0 | 0 43 7,64 | + 1,47 | 87 58 28,54 | — 0,26 | 501 | 864 |
| | Apr. 10 | 9,11 | + 1,40 | 28,28 | — 0,31 | | |
| | Jul. 19 | 10,51 | + 1,33 | 27,97 | — 0,37 | | |
| | Oct. 27 | 11,84 | + 1,26 | 27,60 | — 0,41 | | |
| | Dec. 66 | 13,10 | | 27,19 | | | |
| 1752 | Jan. 1 | 0 43 22,90 | + 1,20 | 87 58 47,05 | — 0,45 | 447 | 232 |
| | Apr. 10 | 24,10 | + 1,09 | 46,61 | — 0,49 | | |
| | Jul. 19 | 25,19 | + 0,98 | 46,12 | — 0,53 | | |
| | Oct. 27 | 26,17 | + 0,87 | 45,59 | — 0,57 | | |
| | Dec. 66 | 27,04 | | 45,02 | | | |
| 1753 | Jan. 0 | 0 43 37,03 | + 0,78 | 87 59 4,95 | — 0,57 | 394 | 600 |
| | Apr. 10 | 37,81 | + 0,65 | 4,38 | — 0,60 | | |
| | Jul. 19 | 38,46 | + 0,50 | 3,78 | — 0,61 | | |
| | Oct. 27 | 38,96 | + 0,37 | 3,17 | — 0,63 | | |
| | Dec. 66 | 39,33 | | 2,54 | | | |
| 1754 | Jan. 0 | 0 43 49,53 | + 0,27 | 87 59 22,47 | — 0,64 | 340 | 969 |
| | Apr. 10 | 49,80 | + 0,11 | 21,83 | — 0,64 | | |
| | Jul. 19 | 49,91 | — 0,03 | 21,19 | — 0,64 | | |
| | Oct. 27 | 49,88 | — 0,18 | 20,55 | — 0,64 | | |
| | Dec. 66 | 49,70 | | 19,91 | | | |
| 1755 | Jan. 0 | 0 44 0,13 | — 0,29 | 87 59 39,83 | — 0,62 | 286 | 337 |
| | Apr. 10 | 43 59,84 | — 0,43 | 39,21 | — 0,61 | | |
| | Jul. 19 | 59,41 | — 0,57 | 38,60 | — 0,58 | | |
| | Oct. 27 | 58,84 | — 0,72 | 38,02 | — 0,56 | | |
| | Dec. 66 | 58,12 | | 37,46 | | | |
| 1756 | Jan. 1 | 0 44 8,79 | — 0,81 | 87 59 57,35 | — 0,54 | 232 | 705 |
| | Apr. 10 | 7,98 | — 0,93 | 56,81 | — 0,50 | | |
| | Jul. 19 | 7,05 | — 1,05 | 56,31 | — 0,45 | | |
| | Oct. 27 | 6,00 | — 1,16 | 55,86 | — 0,42 | | |
| | Dec. 66 | 4,84 | | 55,44 | | | |
| 1757 | Jan. 0 | 0 44 15,70 | — 1,24 | 88 0 15,28 | — 0,39 | 179 | 073 |
| | Apr. 10 | 14,46 | — 1,31 | 14,89 | — 0,33 | | |
| | Jul. 19 | 13,15 | — 1,39 | 14,56 | — 0,28 | | |
| | Oct. 27 | 11,76 | — 1,48 | 14,28 | — 0,23 | | |
| | Dec. 66 | 10,28 | | 14,05 | | | |
| 1758 | Jan. 0 | 0 44 21,29 | — 1,51 | 88 0 33,82 | — 0,19 | 125 | 442 |
| | Apr. 10 | 19,78 | — 1,54 | 33,63 | — 0,13 | | |
| | Jul. 19 | 18,24 | — 1,58 | 33,50 | — 0,07 | | |
| | Oct. 27 | 16,66 | — 1,60 | 33,43 | — 0,01 | | |
| | Dec. 66 | 15,06 | | 33,42 | | | |
| 1759 | Jan. 0 | 0 44 26,16 | — 1,61 | 88 0 53,11 | + 0,03 | 071 | 810 |
| | Apr. 10 | 24,55 | — 1,59 | 53,14 | + 0,08 | | |
| | Jul. 19 | 22,96 | — 1,57 | 53,22 | + 0,15 | | |
| | Oct. 27 | 21,39 | — 1,56 | 53,37 | + 0,20 | | |
| | Dec. 66 | 19,83 | | 53,57 | | | |

## Tabulae X. Sect. I. *α Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ♌ | ☽ |
|---|---|---|---|---|---|---|---|
| 1760 | Jan. 1 | 0 44 30,96 | − 1,53 | 88 1 13,18 | + 0,24 | 017 | 178 |
| | Apr. 10 | 29,43 | − 1,46 | 13,42 | + 0,28 | | |
| | Jul. 19 | 27,97 | − 1,39 | 13,70 | + 0,33 | | |
| | Oct. 27 | 26,58 | − 1,33 | 14,03 | + 0,38 | | |
| | Dec. 66 | 25,25 | | 14,41 | | | |
| 1761 | Jan. 0 | 0 44 36,34 | − 1,27 | 88 1 33,97 | + 0,41 | 964 | 546 |
| | Apr. 10 | 35,07 | − 1,16 | 34,38 | + 0,44 | | |
| | Jul. 19 | 33,91 | − 1,07 | 34,82 | + 0,49 | | |
| | Oct. 27 | 32,84 | − 0,96 | 35,31 | + 0,53 | | |
| | Dec. 66 | 31,88 | | 35,84 | | | |
| 1762 | Jan. 0 | 0 44 42,90 | − 0,88 | 88 1 55,34 | + 0,53 | 910 | 915 |
| | Apr. 10 | 42,02 | − 0,75 | 55,87 | + 0,56 | | |
| | Jul. 19 | 41,27 | − 0,63 | 56,43 | + 0,58 | | |
| | Oct. 27 | 40,64 | − 0,49 | 57,01 | + 0,60 | | |
| | Dec. 66 | 40,15 | | 57,61 | | | |
| 1763 | Jan. 0 | 0 44 51,06 | − 0,40 | 88 2 17,09 | + 0,60 | 856 | 283 |
| | Apr. 10 | 50,66 | − 0,26 | 17,69 | + 0,61 | | |
| | Jul. 19 | 50,40 | − 0,11 | 18,30 | + 0,61 | | |
| | Oct. 27 | 50,29 | + 0,02 | 18,91 | + 0,61 | | |
| | Dec. 66 | 50,31 | | 19,52 | | | |
| 1764 | Jan. 1 | 0 45 1,10 | + 0,12 | 88 2 39,00 | + 0,61 | 803 | 651 |
| | Apr. 10 | 1,22 | + 0,27 | 39,61 | + 0,59 | | |
| | Jul. 19 | 1,49 | + 0,40 | 40,20 | + 0,58 | | |
| | Oct. 27 | 1,89 | + 0,54 | 40,78 | + 0,56 | | |
| | Dec. 66 | 2,43 | | 41,34 | | | |
| 1765 | Jan. 0 | 0 45 13,10 | + 0,63 | 88 3 0,83 | + 0,54 | 749 | 020 |
| | Apr. 10 | 13,73 | + 0,76 | 1,37 | + 0,52 | | |
| | Jul. 19 | 14,49 | + 0,89 | 1,89 | + 0,48 | | |
| | Oct. 27 | 15,38 | + 1,01 | 2,37 | + 0,46 | | |
| | Dec. 66 | 16,39 | | 2,83 | | | |
| 1766 | Jan. 0 | 0 45 26,97 | + 1,08 | 88 3 22,35 | + 0,43 | 695 | 388 |
| | Apr. 10 | 28,05 | + 1,18 | 22,78 | + 0,38 | | |
| | Jul. 19 | 29,23 | + 1,27 | 23,16 | + 0,34 | | |
| | Oct. 27 | 30,50 | + 1,38 | 23,50 | + 0,29 | | |
| | Dec. 66 | 31,88 | | 23,79 | | | |
| 1767 | Jan. 0 | 0 45 42,37 | + 1,43 | 88 3 43,37 | + 0,26 | 641 | 756 |
| | Apr. 10 | 43,80 | + 1,49 | 43,63 | + 0,20 | | |
| | Jul. 19 | 45,29 | + 1,53 | 43,83 | + 0,16 | | |
| | Oct. 27 | 46,82 | + 1,60 | 43,99 | + 0,10 | | |
| | Dec. 66 | 48,42 | | 44,09 | | | |
| 1768 | Jan. 1 | 0 45 58,90 | + 1,62 | 88 4 3,72 | + 0,07 | 588 | 124 |
| | Apr. 10 | 46 0,52 | + 1,62 | 3,79 | 0,00 | | |
| | Jul. 19 | 2,14 | + 1,63 | 3,79 | − 0,06 | | |
| | Oct. 27 | 3,77 | + 1,64 | 3,73 | − 0,11 | | |
| | Dec. 66 | 5,41 | | 3,62 | | | |
| 1769 | Jan. 0 | 0 46 15,94 | + 1,62 | 88 4 23,33 | − 0,15 | 534 | 493 |
| | Apr. 10 | 17,56 | + 1,59 | 23,18 | − 0,20 | | |
| | Jul. 19 | 19,15 | + 1,54 | 22,98 | − 0,26 | | |
| | Oct. 27 | 20,69 | + 1,50 | 22,72 | − 0,32 | | |
| | Dec. 66 | 22,19 | | 22,40 | | | |

## Tabulae X. Sect. I. *α Ursae minoris.*

| | Corr. A. R. pro 1760 | | Variatio annua | | Corr. Decl. pro 1760 | | Variatio annua | | Mot. ☉+☊ | Arg. ☽ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | | |
| Jan. 0 | + 2,88 | −6,20 | +0,0385 | −168 | +20,17 | +0,41 | −0,0009 | +27 | 000 | 000 |
| 10 | − 3,32 | −6,18 | +0,0217 | −177 | +20,58 | −0,24 | +0,0018 | +28 | 026 | 365 |
| 20 | − 9,50 | −5,92 | +0,0040 | −179 | +20,34 | −0,87 | +0,0046 | +25 | 052 | 730 |
| 30 | −15,42 | −5,45 | −0,0139 | −175 | +19,47 | −1,48 | +0,0071 | +23 | 078 | 095 |
| Febr. 9 | −20,87 | −4,74 | −0,0314 | −164 | +17,99 | −2,01 | +0,0094 | +19 | 103 | 460 |
| 19 | −25,61 | −3,87 | −0,0478 | −148 | +15,98 | −2,44 | +0,0113 | +17 | 129 | 825 |
| Mart. 1 | −29,48 | −2,84 | −0,0626 | −122 | +13,54 | −2,79 | +0,0130 | +11 | 155 | 190 |
| 11 | −32,32 | −1,71 | −0,0748 | − 91 | +10,75 | −3,00 | +0,0141 | + 6 | 181 | 555 |
| 21 | −34,03 | −0,53 | −0,0839 | − 61 | + 7,75 | −3,09 | +0,0147 | + 2 | 207 | 920 |
| 31 | −34,56 | +0,67 | −0,0900 | − 29 | + 4,66 | −3,07 | +0,0149 | − 4 | 233 | 285 |
| Apr. 10 | −33,89 | +1,81 | −0,0929 | + 7 | + 1,59 | −2,91 | +0,0145 | − 8 | 258 | 650 |
| 20 | −32,08 | +2,88 | −0,0922 | + 37 | − 1,32 | −2,65 | +0,0137 | −13 | 284 | 015 |
| 30 | −29,20 | +3,84 | −0,0885 | + 71 | − 3,97 | −2,30 | +0,0124 | −16 | 310 | 380 |
| Maj. 10 | −25,36 | +4,64 | −0,0814 | + 97 | − 6,27 | −1,88 | +0,0108 | −19 | 336 | 745 |
| 20 | −20,72 | +5,29 | −0,0717 | +123 | − 8,15 | −1,39 | +0,0089 | −22 | 362 | 110 |
| 30 | −15,43 | +5,78 | −0,0594 | +143 | − 9,54 | −0,85 | +0,0067 | −25 | 388 | 475 |
| Jun. 9 | − 9,65 | +6,09 | −0,0451 | +155 | −10,39 | −0,31 | +0,0042 | −24 | 413 | 840 |
| 19 | − 3,56 | +6,22 | −0,0296 | +174 | −10,70 | +0,25 | +0,0018 | −26 | 439 | 205 |
| 29 | + 2,66 | +6,20 | −0,0122 | +180 | −10,45 | +0,80 | −0,0008 | −26 | 465 | 570 |
| Jul. 9 | + 8,86 | +6,02 | +0,0058 | +184 | − 9,65 | +1,33 | −0,0034 | −24 | 491 | 935 |
| 19 | +14,88 | +5,71 | +0,0242 | +179 | − 8,32 | +1,83 | −0,0058 | −24 | 517 | 300 |
| 29 | +20,59 | +5,27 | +0,0421 | +176 | − 6,49 | +2,29 | −0,0082 | −23 | 543 | 665 |
| Aug. 8 | +25,86 | +4,73 | +0,0597 | +164 | − 4,20 | +2,69 | −0,0105 | −19 | 568 | 030 |
| 18 | +30,59 | +4,08 | +0,0761 | +159 | − 1,51 | +3,05 | −0,0124 | −17 | 594 | 395 |
| 28 | +34,67 | +3,36 | +0,0920 | +141 | + 1,54 | +3,33 | −0,0141 | −13 | 620 | 760 |
| Sept. 7 | +38,03 | +2,56 | +0,1061 | +120 | + 4,87 | +3,57 | −0,0154 | −11 | 646 | 125 |
| 17 | +40,59 | +1,70 | +0,1181 | +103 | + 8,44 | +3,72 | −0,0165 | − 7 | 672 | 490 |
| 27 | +42,29 | +0,80 | +0,1284 | + 78 | +12,16 | +3,80 | −0,0172 | − 3 | 698 | 855 |
| Oct. 7 | +43,09 | −0,12 | +0,1362 | + 55 | +15,96 | +3,80 | −0,0175 | + 1 | 723 | 220 |
| 17 | +42,97 | −1,09 | +0,1417 | + 25 | +19,76 | +3,73 | −0,0174 | + 5 | 749 | 585 |
| 27 | +41,88 | −2,02 | +0,1442 | − 4 | +23,49 | +3,55 | −0,0169 | +10 | 775 | 950 |
| Nov. 6 | +39,86 | −2,96 | +0,1438 | − 32 | +27,04 | +3,30 | −0,0159 | +13 | 801 | 315 |
| 16 | +36,90 | −3,82 | +0,1406 | − 62 | +30,34 | +2,95 | −0,0146 | +17 | 827 | 680 |
| 26 | +33,08 | −4,61 | +0,1344 | − 91 | +33,29 | +2,52 | −0,0129 | +21 | 853 | 045 |
| Dec. 6 | +28,47 | −5,27 | +0,1253 | −117 | +35,81 | +2,02 | −0,0108 | +23 | 879 | 410 |
| 16 | +23,20 | −5,80 | +0,1136 | −142 | +37,83 | +1,44 | −0,0085 | +25 | 904 | 775 |
| 26 | +17,40 | −6,12 | +0,0994 | −160 | +39,27 | +0,82 | −0,0060 | +28 | 930 | 140 |
| 36 | +11,28 | | +0,0834 | | +40,09 | | −0,0032 | | 956 | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 1 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Oct. 4 { + 1,5 / + 2,5 }

## Tabulae X. Sect. I. *a Ursae minoris.*

| Motus Arg. | | |
|---|---|---|
| Dies | ☉+☊ | ☽ |
| 1 | 003 | 037 |
| 2 | 005 | 073 |
| 3 | 008 | 110 |
| 4 | 010 | 146 |
| 5 | 013 | 183 |
| 6 | 016 | 219 |
| 7 | 018 | 256 |
| 8 | 021 | 292 |
| 9 | 023 | 329 |
| 10 | 026 | 365 |

| Arg. ☉+☊ | | |
|---|---|---|
| Arg. | A. R. | Arg. |
| 000 | −0″,02 + | 500 |
| 010 | −0,01 + | 510 |
| 020 | −0,01 + | 520 |
| 030 | −0,01 + | 530 |
| 040 | −0,01 + | 540 |
| 050 | 0,00 | 550 |
| 060 | 0,00 | 560 |
| 070 | 0,00 | 570 |
| 080 | 0,00 | 580 |
| 090 | +0,01 — | 590 |
| 100 | +0,01 — | 600 |
| 110 | +0,01 — | 610 |
| 120 | +0,02 — | 620 |
| 130 | +0,02 — | 630 |
| 140 | +0,02 — | 640 |
| 150 | +0,02 — | 650 |
| 160 | +0,02 — | 660 |
| 170 | +0,03 — | 670 |
| 180 | +0,03 — | 680 |
| 190 | +0,03 — | 690 |
| 200 | +0,03 — | 700 |
| 210 | +0,03 — | 710 |
| 220 | +0,04 — | 720 |
| 230 | +0,04 — | 730 |
| 240 | +0,04 — | 740 |
| 250 | +0,04 — | 750 |
| 260 | +0,04 — | 760 |
| 270 | +0,04 — | 770 |
| 280 | +0,04 — | 780 |
| 290 | +0,04 — | 790 |
| 300 | +0,04 — | 800 |
| 310 | +0,04 — | 810 |
| 320 | +0,04 — | 820 |
| 330 | +0,04 — | 830 |
| 340 | +0,04 — | 840 |
| 350 | +0,04 — | 850 |
| 360 | +0,04 — | 860 |
| 370 | +0,04 — | 870 |
| 380 | +0,04 — | 880 |
| 390 | +0,04 — | 890 |
| 400 | +0,03 — | 900 |
| 410 | +0,03 — | 910 |
| 420 | +0,03 — | 920 |
| 430 | +0,03 — | 930 |
| 440 | +0,03 — | 940 |
| 450 | +0,03 — | 950 |
| 460 | +0,02 — | 960 |
| 470 | +0,02 — | 970 |
| 480 | +0,02 — | 980 |
| 490 | +0,02 — | 990 |

| Arg. ☽ | | | |
|---|---|---|---|
| Arg. | Arg. | A. R. | Decl. |
| 000 | 500 | —0″,17 | +0″,02 |
| 010 | 510 | —0,17 | +0,01 |
| 020 | 520 | —0,17 | 0,00 |
| 030 | 530 | —0,17 | —0,01 |
| 040 | 540 | —0,17 | —0,02 |
| 050 | 550 | —0,16 | —0,03 |
| 060 | 560 | —0,15 | —0,04 |
| 070 | 570 | —0,14 | —0,05 |
| 080 | 580 | —0,13 | —0,06 |
| 090 | 590 | —0,11 | —0,06 |
| 100 | 600 | —0,09 | —0,07 |
| 110 | 610 | —0,07 | —0,07 |
| 120 | 620 | —0,05 | —0,08 |
| 130 | 630 | —0,03 | —0,08 |
| 140 | 640 | —0,01 | —0,08 |
| 150 | 650 | +0,01 | —0,08 |
| 160 | 660 | +0,03 | —0,08 |
| 170 | 670 | +0,05 | —0,07 |
| 180 | 680 | +0,07 | —0,07 |
| 190 | 690 | +0,09 | —0,07 |
| 200 | 700 | +0,11 | —0,06 |
| 210 | 710 | +0,13 | —0,05 |
| 220 | 720 | +0,14 | —0,05 |
| 230 | 730 | +0,15 | —0,04 |
| 240 | 740 | +0,16 | —0,03 |
| 250 | 750 | +0,17 | —0,02 |
| 260 | 760 | +0,17 | —0,01 |
| 270 | 770 | +0,17 | 0,00 |
| 280 | 780 | +0,17 | +0,01 |
| 290 | 790 | +0,17 | +0,02 |
| 300 | 800 | +0,16 | +0,03 |
| 310 | 810 | +0,15 | +0,04 |
| 320 | 820 | +0,14 | +0,05 |
| 330 | 830 | +0,13 | +0,06 |
| 340 | 840 | +0,11 | +0,06 |
| 350 | 850 | +0,09 | +0,07 |
| 360 | 860 | +0,07 | +0,07 |
| 370 | 870 | +0,05 | +0,08 |
| 380 | 880 | +0,03 | +0,08 |
| 390 | 890 | +0,01 | +0,08 |
| 400 | 900 | —0,01 | +0,08 |
| 410 | 910 | —0,03 | +0,08 |
| 420 | 920 | —0,05 | +0,07 |
| 430 | 930 | —0,07 | +0,07 |
| 440 | 940 | —0,09 | +0,07 |
| 450 | 950 | —0,11 | +0,06 |
| 460 | 960 | —0,13 | +0,05 |
| 470 | 970 | —0,14 | +0,05 |
| 480 | 980 | —0,15 | +0,04 |
| 490 | 990 | —0,16 | +0,03 |

## Tabulae X. Sect. I. *α Ursae minoris.*

| | A. R. med. | + | Decl. med. | + |
|---|---|---|---|---|
| | h ′ ″ | ″ | ° ′ ″ | ″ |
| 1750 | 0 42 51,686 | 10,166 | 87 58 2,556 | 19,719 |
| 1751 | 43 1,852 | 10,214 | 58 22,275 | 19,716 |
| 1752 | 43 12,066 | 10,262 | 58 41,991 | 19,713 |
| 1753 | 43 22,328 | 10,310 | 59 1,704 | 19,710 |
| 1754 | 43 32,638 | 10,359 | 59 21,414 | 19,706 |
| 1755 | 43 42,997 | 10,408 | 59 41,120 | 19,704 |
| 1756 | 43 53,405 | 10,456 | 88 0 0,824 | 19,701 |
| 1757 | 44 3,861 | 10,507 | 0 20,525 | 19,697 |
| 1758 | 44 14,368 | 10,556 | 0 40,222 | 19,695 |
| 1759 | 44 24,924 | 10,606 | 0 59,917 | 19,691 |
| 1760 | 44 35,530 | 10,658 | 1 19,608 | 19,688 |
| 1761 | 44 46,188 | 10,708 | 1 39,296 | 19,685 |
| 1762 | 44 56,896 | 10,759 | 1 58,981 | 19,682 |
| 1763 | 45 7,655 | 10,811 | 2 18,663 | 19,679 |
| 1764 | 45 18,466 | 10,863 | 2 38,342 | 19,676 |
| 1765 | 45 29,329 | 10,916 | 2 58,018 | 19,672 |
| 1766 | 45 40,245 | 10,969 | 3 17,690 | 19,669 |
| 1767 | 45 51,214 | 11,022 | 3 37,359 | 19,666 |
| 1768 | 46 2,236 | 11,075 | 3 57,025 | 19,662 |
| 1769 | 46 13,311 | 11,130 | 4 16,687 | 19,659 |
| 1770 | 46 24,441 | | 4 36,346 | |

# Tabulae X. Sectio secunda.

*Adscensiones rectae et Declinationes mediae et apparentes*
*Stellarum* 36 *fundamentalium atque* α *Ursae minoris,*

ab Anno 1770 usque ad Annum 1790.

## Tabulae X. Sect. II. γ *Pegasi.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | h ′ ″ 0 1 25,893 | ° ′ ″ +13 54 21,08 | 1780 | Jan. 1 | h ′ ″ 0 1 54,647 | ° ′ ″ +13 57 29,29 |
| | Apr. 10 | 25,877 | 20,88 | | Apr. 10 | 54,688 | 29,64 |
| | Jul. 19 | 25,852 | 20,63 | | Jul. 19 | 54,736 | 30,02 |
| | Oct. 27 | 25,820 | 20,33 | | Oct. 27 | 54,791 | 30,45 |
| | Dec. 66 | 25,777 | 19,98 | | Dec. 66 | 54,852 | 30,91 |
| 1771 | Jan. 0 | 0 1 28,865 | +13 54 40,14 | 1781 | Jan. 0 | 0 1 57,906 | +13 57 50,79 |
| | Apr. 10 | 28,818 | 39,75 | | Apr. 10 | 57,972 | 51,28 |
| | Jul. 19 | 28,763 | 39,32 | | Jul. 19 | 58,043 | 51,79 |
| | Oct. 27 | 28,701 | 38,85 | | Oct. 27 | 58,119 | 52,33 |
| | Dec. 66 | 28,631 | 38,35 | | Dec. 66 | 58,200 | 52,89 |
| 1772 | Jan. 1 | 0 1 31,729 | +13 54 58,55 | 1782 | Jan. 0 | 0 2 1,247 | +13 58 12,73 |
| | Apr. 10 | 31,655 | 58,02 | | Apr. 10 | 1,331 | 13,31 |
| | Jul. 19 | 31,576 | 57,46 | | Jul. 19 | 1,418 | 13,89 |
| | Oct. 27 | 31,492 | 56,88 | | Oct. 27 | 1,507 | 14,49 |
| | Dec. 66 | 31,403 | 56,27 | | Dec. 66 | 1,599 | 15,09 |
| 1773 | Jan. 0 | 0 1 34,507 | +13 55 16,51 | 1783 | Jan. 0 | 0 2 4,643 | +13 58 34,92 |
| | Apr. 10 | 34,416 | 15,89 | | Apr. 10 | 4,736 | 35,53 |
| | Jul. 19 | 34,322 | 15,27 | | Jul. 19 | 4,828 | 36,12 |
| | Oct. 27 | 34,226 | 14,64 | | Oct. 27 | 4,921 | 36,71 |
| | Dec. 66 | 34,128 | 14,01 | | Dec. 66 | 5,014 | 37,28 |
| 1774 | Jan. 0 | 0 1 37,235 | +13 55 34,26 | 1784 | Jan. 1 | 0 2 8,058 | +13 58 57,13 |
| | Apr. 10 | 37,137 | 33,63 | | Apr. 10 | 8,150 | 57,70 |
| | Jul. 19 | 37,040 | 33,01 | | Jul. 19 | 8,240 | 58,24 |
| | Oct. 27 | 36,944 | 32,42 | | Oct. 27 | 8,327 | 58,76 |
| | Dec. 66 | 36,849 | 31,84 | | Dec. 66 | 8,411 | 59,25 |
| 1775 | Jan. 0 | 0 1 39,954 | +13 55 52,06 | 1785 | Jan. 0 | 0 2 11,458 | +13 59 19,12 |
| | Apr. 10 | 39,861 | 51,50 | | Apr. 10 | 11,540 | 19,59 |
| | Jul. 19 | 39,772 | 50,97 | | Jul. 19 | 11,616 | 20,02 |
| | Oct. 27 | 39,687 | 50,48 | | Oct. 27 | 11,688 | 20,42 |
| | Dec. 66 | 39,607 | 50,02 | | Dec. 66 | 11,754 | 20,77 |
| 1776 | Jan. 1 | 0 1 42,708 | +13 56 10,20 | 1786 | Jan. 0 | 0 2 14,807 | +13 59 40,69 |
| | Apr. 10 | 42,632 | 9,78 | | Apr. 10 | 14,869 | 41,01 |
| | Jul. 19 | 42,562 | 9,40 | | Jul. 19 | 14,925 | 41,28 |
| | Oct. 27 | 42,498 | 9,06 | | Oct. 27 | 14,972 | 41,51 |
| | Dec. 66 | 42,439 | 8,76 | | Dec. 66 | 15,013 | 41,68 |
| 1777 | Jan. 0 | 0 1 45,532 | +13 56 28,89 | 1787 | Jan. 0 | 0 2 18,076 | +14 0 1,66 |
| | Apr. 10 | 45,480 | 28,64 | | Apr. 10 | 18,111 | 1,79 |
| | Jul. 19 | 45,436 | 28,44 | | Jul. 19 | 18,138 | 1,87 |
| | Oct. 27 | 45,400 | 28,30 | | Oct. 27 | 18,156 | 1,89 |
| | Dec. 66 | 45,373 | 28,22 | | Dec. 66 | 18,166 | 1,86 |
| 1778 | Jan. 0 | 0 1 48,456 | +13 56 48,28 | 1788 | Jan. 1 | 0 2 21,239 | +14 0 21,91 |
| | Apr. 10 | 48,434 | 48,23 | | Apr. 10 | 21,243 | 21,84 |
| | Jul. 19 | 48,421 | 48,24 | | Jul. 19 | 21,238 | 21,71 |
| | Oct. 27 | 48,417 | 48,31 | | Oct. 27 | 21,224 | 21,53 |
| | Dec. 66 | 48,422 | 48,44 | | Dec. 66 | 21,202 | 21,29 |
| 1779 | Jan. 0 | 0 1 51,494 | +13 57 8,42 | 1789 | Jan. 0 | 0 2 24,286 | +14 0 41,41 |
| | Apr. 10 | 51,504 | 8,58 | | Apr. 10 | 24,257 | 41,13 |
| | Jul. 19 | 51,523 | 8,79 | | Jul. 19 | 24,220 | 40,81 |
| | Oct. 27 | 51,550 | 9,06 | | Oct. 27 | 24,175 | 40,46 |
| | Dec. 66 | 51,585 | 9,37 | | Dec. 66 | 24,122 | 40,01 |

## Tabulae X. Sect. II. γ *Pegasi.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,165 | −11,3 | + 3,69 | − 7,8 | +3 | +2 | 1770 | 0 1 24,8607 | +13 54 14,638 |
| 10 | −0,277 | −10,9 | + 2,86 | − 8,9 | +3 | +2 | 1771 | 1 27,9344 | 54 34,673 |
| 20 | −0,383 | −10,1 | + 1,91 | − 9,8 | +3 | +2 | 1772 | 1 31,0082 | 54 54,707 |
| 30 | −0,479 | − 8,8 | + 0,91 | −10,2 | +2 | +2 | 1773 | 1 34,0821 | 55 14,742 |
| Febr. 9 | −0,559 | − 7,0 | − 0,13 | −10,2 | +2 | +2 | 1774 | 1 37,1561 | 55 34,776 |
| | | | | | | | 1775 | 1 40,2302 | 55 54,811 |
| 19 | −0,618 | − 4,6 | − 1,13 | − 9,6 | +2 | +2 | 1776 | 1 43,3044 | 56 14,845 |
| Mart. 1 | −0,651 | − 1,8 | − 2,05 | − 8,5 | +1 | +2 | 1777 | 1 46,3787 | 56 34,879 |
| 11 | −0,654 | + 1,6 | − 2,83 | − 6,9 | 0 | +2 | 1778 | 1 49,4531 | 56 54,913 |
| 21 | −0,620 | + 5,4 | − 3,43 | − 4,8 | 0 | +1 | 1779 | 1 52,5276 | 57 14,947 |
| 31 | −0,547 | + 9,4 | − 3,79 | − 2,2 | −1 | +1 | 1780 | 1 55,6022 | 57 34,980 |
| | | | | | | | 1781 | 1 58,6769 | 57 55,014 |
| Apr. 10 | −0,433 | +13,5 | − 3,87 | + 0,7 | −1 | +1 | 1782 | 2 1,7517 | 58 15,047 |
| 20 | −0,278 | +17,6 | − 3,66 | + 3,7 | −2 | 0 | 1783 | 2 4,8266 | 58 35,080 |
| 30 | −0,082 | +21,5 | − 3,13 | + 6,9 | −2 | 0 | 1784 | 2 7,9016 | 58 55,114 |
| Maj. 10 | +0,151 | +24,9 | − 2,28 | +10,0 | −2 | −1 | 1785 | 2 10,9767 | 59 15,147 |
| 20 | +0,416 | +27,8 | − 1,13 | +13,1 | −2 | −1 | 1786 | 2 14,0519 | 59 35,179 |
| | | | | | | | 1787 | 2 17,1272 | 59 55,212 |
| 30 | +0,707 | +30,1 | + 0,31 | +15,7 | −2 | −1 | 1788 | 2 20,2026 | 14 0 15,245 |
| Jun. 9 | +1,017 | +31,5 | + 1,99 | +17,8 | −3 | −2 | 1789 | 2 23,2780 | 0 35,277 |
| 19 | +1,337 | +32,1 | + 3,87 | +19,6 | −2 | −2 | 1790 | 2 26,3534 | 0 55,310 |
| 29 | +1,659 | +31,9 | + 5,91 | +20,9 | −2 | −2 | | | |
| Jul. 9 | +1,975 | +30,9 | + 8,04 | +21,5 | −2 | −2 | | | |
| 19 | +2,276 | +29,1 | +10,21 | +21,7 | −2 | −2 | | | |
| 29 | +2,556 | +26,5 | +12,38 | +21,4 | −2 | −2 | | | |
| Aug. 8 | +2,806 | +23,4 | +14,48 | +20,5 | −1 | −2 | | | |
| 18 | +3,024 | +20,0 | +16,47 | +19,2 | −1 | −2 | | | |
| 28 | +3,205 | +16,2 | +18,31 | +17,6 | 0 | −2 | | | |
| Sept. 7 | +3,348 | +12,4 | +19,98 | +15,7 | 0 | −2 | | | |
| 17 | +3,452 | + 8,5 | +21,44 | +13,6 | +1 | −1 | | | |
| 27 | +3,518 | + 4,9 | +22,69 | +11,5 | +1 | −1 | | | |
| Oct. 7 | +3,549 | + 1,5 | +23,74 | + 9,1 | +2 | −1 | | | |
| 17 | +3,548 | − 1,6 | +24,51 | + 6,7 | +2 | 0 | | | |
| 27 | +3,518 | − 4,2 | +25,08 | + 4,6 | +3 | 0 | | | |
| Nov. 6 | +3,465 | − 6,4 | +25,43 | + 2,5 | +3 | 0 | | | |
| 16 | +3,391 | − 8,2 | +25,57 | + 0,4 | +4 | +1 | | | |
| 26 | +3,302 | − 9,5 | +25,50 | − 1,7 | +4 | +1 | | | |
| Dec. 6 | +3,202 | −10,5 | +25,24 | − 3,5 | +4 | +1 | | | |
| 16 | +3,093 | −11,1 | +24,80 | − 5,3 | +4 | +1 | | | |
| 26 | +2,981 | −11,3 | +24,19 | − 6,9 | +4 | +2 | | | |
| 36 | +2,867 | −11,4 | +23,43 | − 8,4 | +4 | +2 | | | |

Diei reducto addendum est:

ante } Mart. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Arietis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 1 54 16,448 | +22 21 56,32 | 1780 | Jan. 1 | 1 54 47,714 | +22 24 43,56 |
| | Apr. 10 | 16,435 | 55,79 | | Apr. 10 | 47,754 | 44,19 |
| | Jul. 19 | 16,413 | 55,20 | | Jul. 19 | 47,802 | 44,82 |
| | Oct. 27 | 16,381 | 54,59 | | Oct. 27 | 47,858 | 45,47 |
| | Dec. 66 | 16,340 | 53,95 | | Dec. 66 | 47,922 | 46,14 |
| 1771 | Jan. 0 | 1 54 19,701 | +22 22 11,63 | 1781 | Jan. 0 | 1 54 51,247 | +22 25 3,36 |
| | Apr. 10 | 19,653 | 10,98 | | Apr. 10 | 51,316 | 4,02 |
| | Jul. 19 | 19,597 | 10,32 | | Jul. 19 | 51,390 | 4,67 |
| | Oct. 27 | 19,533 | 9,64 | | Oct. 27 | 51,471 | 5,32 |
| | Dec. 66 | 19,461 | 8,95 | | Dec. 66 | 51,557 | 5,97 |
| 1772 | Jan. 1 | 1 54 22,832 | +22 22 26,65 | 1782 | Jan. 0 | 1 54 54,875 | +22 25 23,19 |
| | Apr. 10 | 22,755 | 25,97 | | Apr. 10 | 54,965 | 23,82 |
| | Jul. 19 | 22,671 | 25,29 | | Jul. 19 | 55,058 | 24,42 |
| | Oct. 27 | 22,582 | 24,63 | | Oct. 27 | 55,154 | 24,99 |
| | Dec. 66 | 22,487 | 23,98 | | Dec. 66 | 55,253 | 25,54 |
| 1773 | Jan. 0 | 1 54 25,866 | +22 22 41,66 | 1783 | Jan. 0 | 1 54 58,567 | +22 25 42,80 |
| | Apr. 10 | 25,768 | 41,03 | | Apr. 10 | 58,668 | 43,33 |
| | Jul. 19 | 25,667 | 40,43 | | Jul. 19 | 58,769 | 43,81 |
| | Oct. 27 | 25,463 | 39,86 | | Oct. 27 | 58,871 | 44,25 |
| | Dec. 66 | 25,457 | 39,33 | | Dec. 66 | 58,973 | 44,65 |
| 1774 | Jan. 0 | 1 54 28,838 | +22 22 56,96 | 1784 | Jan. 1 | 1 55 2,287 | +22 26 1,96 |
| | Apr. 10 | 28,731 | 56,46 | | Apr. 10 | 2,389 | 2,33 |
| | Jul. 19 | 28,625 | 56,00 | | Jul. 19 | 2,488 | 2,65 |
| | Oct. 27 | 28,519 | 55,60 | | Oct. 27 | 2,585 | 2,91 |
| | Dec. 66 | 28,414 | 55,24 | | Dec. 66 | 2,679 | 3,12 |
| 1775 | Jan. 0 | 1 54 31,795 | +22 23 12,81 | 1785 | Jan. 0 | 1 55 5,996 | +22 26 20,49 |
| | Apr. 10 | 31,692 | 12,50 | | Apr. 10 | 6,088 | 20,66 |
| | Jul. 19 | 31,593 | 12,24 | | Jul. 19 | 6,174 | 20,78 |
| | Oct. 27 | 31,498 | 12,04 | | Oct. 27 | 6,255 | 20,83 |
| | Dec. 66 | 31,407 | 11,91 | | Dec. 66 | 6,331 | 20,83 |
| 1776 | Jan. 1 | 1 54 34,783 | +22 23 29,40 | 1786 | Jan. 0 | 1 55 9,655 | +22 26 38,27 |
| | Apr. 10 | 34,697 | 29,31 | | Apr. 10 | 9,727 | 38,22 |
| | Jul. 19 | 34,617 | 29,28 | | Jul. 19 | 9,791 | 38,12 |
| | Oct. 27 | 34,544 | 29,32 | | Oct. 27 | 9,848 | 37,95 |
| | Dec. 66 | 34,476 | 29,41 | | Dec. 66 | 9,897 | 37,73 |
| 1777 | Jan. 0 | 1 54 37,844 | +22 23 46,83 | 1787 | Jan. 0 | 1 55 13,230 | +22 26 55,24 |
| | Apr. 10 | 37,783 | 46,97 | | Apr. 10 | 13,273 | 54,98 |
| | Jul. 19 | 37,730 | 47,17 | | Jul. 19 | 13,307 | 54,66 |
| | Oct. 27 | 37,687 | 47,42 | | Oct. 27 | 13,332 | 54,29 |
| | Dec. 66 | 37,652 | 47,74 | | Dec. 66 | 13,348 | 53,87 |
| 1778 | Jan. 0 | 1 54 41,010 | +22 24 5,08 | 1788 | Jan. 1 | 1 55 16,693 | +22 27 11,44 |
| | Apr. 10 | 40,981 | 5,43 | | Apr. 10 | 16,702 | 10,99 |
| | Jul. 19 | 40,962 | 5,83 | | Jul. 19 | 16,702 | 10,49 |
| | Oct. 27 | 40,953 | 6,28 | | Oct. 27 | 16,692 | 9,96 |
| | Dec. 66 | 40,953 | 6,78 | | Dec. 66 | 16,672 | 9,38 |
| 1779 | Jan. 0 | 1 54 44,299 | +22 24 24,05 | 1789 | Jan. 0 | 1 55 20,029 | +22 27 27,00 |
| | Apr. 10 | 44,305 | 24,57 | | Apr. 10 | 20,002 | 26,40 |
| | Jul. 19 | 44,321 | 25,13 | | Jul. 19 | 19,966 | 25,78 |
| | Oct. 27 | 44,346 | 25,71 | | Oct. 27 | 19,921 | 25,13 |
| | Dec. 66 | 44,379 | 26,32 | | Dec. 66 | 19,868 | 24,46 |

## Tabulae X. Sect. II. *α Arietis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,537 | −10,6 | + 5,88 | − 2,4 | +4 | +1 |
| 10 | +0,421 | −12,4 | + 5,55 | − 4,1 | +4 | +1 |
| 20 | +0,289 | −13,8 | + 5,06 | − 5,7 | +4 | +1 |
| 30 | +0,145 | −14,6 | + 4,42 | − 7,1 | +4 | +2 |
| Febr. 9 | −0,002 | −14,5 | + 3,64 | − 8,3 | +3 | +2 |
| 19 | −0,145 | −13,7 | + 2,77 | − 9,0 | +3 | +2 |
| Mart. 1 | −0,275 | −12,0 | + 1,85 | − 9,3 | +3 | +2 |
| 11 | −0,384 | − 9,4 | + 0,92 | − 9,2 | +2 | +2 |
| 21 | −0,462 | − 6,0 | + 0,02 | − 8,5 | +2 | +2 |
| 31 | −0,503 | − 2,0 | − 0,78 | − 7,3 | +1 | +2 |
| Apr. 10 | −0,501 | + 2,6 | − 1,43 | − 5,6 | 0 | +2 |
| 20 | −0,452 | + 7,4 | − 1,89 | − 3,5 | 0 | +1 |
| 30 | −0,354 | +12,2 | − 2,13 | − 1,1 | −1 | +1 |
| Maj. 10 | −0,208 | +16,9 | − 2,10 | + 1,4 | −1 | 0 |
| 20 | −0,016 | +21,3 | − 1,80 | + 4,4 | −1 | 0 |
| 30 | +0,218 | +25,2 | − 1,22 | + 7,2 | −2 | −1 |
| Jun. 9 | +0,488 | +28,4 | − 0,36 | + 9,9 | −2 | −1 |
| 19 | +0,786 | +30,8 | + 0,75 | +12,3 | −2 | −2 |
| 29 | +1,104 | +32,5 | + 2,09 | +14,4 | −2 | −2 |
| Jul. 9 | +1,435 | +33,3 | + 3,62 | +16,0 | −2 | −2 |
| 19 | +1,769 | +33,2 | + 5,29 | +17,3 | −2 | −3 |
| 29 | +2,098 | +32,3 | + 7,07 | +18,1 | −2 | −3 |
| Aug. 8 | +2,415 | +30,9 | + 8,91 | +18,4 | −2 | −4 |
| 18 | +2,715 | +28,8 | +10,75 | +18,3 | −2 | −4 |
| 28 | +2,991 | +26,3 | +12,57 | +17,8 | −1 | −4 |
| Sept. 7 | +3,240 | +23,4 | +14,30 | +16,9 | −1 | −4 |
| 17 | +3,459 | +20,3 | +15,94 | +15,7 | 0 | −4 |
| 27 | +3,646 | +17,2 | +17,44 | +14,3 | 0 | −4 |
| Oct. 7 | +3,802 | +14,0 | +18,79 | +12,8 | +1 | −4 |
| 17 | +3,926 | +10,8 | +19,99 | +11,1 | +2 | −4 |
| 27 | +4,017 | + 7,6 | +21,01 | + 9,4 | +2 | −4 |
| Nov. 6 | +4,078 | + 4,6 | +21,86 | + 7,6 | +3 | −4 |
| 16 | +4,108 | + 1,6 | +22,53 | + 5,8 | +4 | −3 |
| 26 | +4,110 | − 1,4 | +23,02 | + 4,1 | +4 | −3 |
| Dec. 6 | +4,081 | − 4,2 | +23,34 | + 2,3 | +5 | −3 |
| 16 | +4,027 | − 6,7 | +23,48 | + 0,5 | +5 | −2 |
| 26 | +3,947 | − 9,2 | +23,44 | − 1,3 | +5 | −2 |
| 36 | +3,843 | −11,4 | +23,22 | − 3,0 | +6 | −2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 1 54 15,3130 | +22 21 51,835 |
| 1771 | 54 18,6586 | 22 9,304 |
| 1772 | 54 22,0044 | 22 26,770 |
| 1773 | 54 25,3504 | 22 44,233 |
| 1774 | 54 28,6966 | 23 1,695 |
| 1775 | 54 32,0430 | 23 19,154 |
| 1776 | 54 35,3896 | 23 36,610 |
| 1777 | 54 38,7364 | 23 54,064 |
| 1778 | 54 42,0834 | 24 11,516 |
| 1779 | 54 45,4306 | 24 28,965 |
| 1780 | 54 48,7780 | 24 46,412 |
| 1781 | 54 52,1256 | 25 3,857 |
| 1782 | 54 55,4734 | 25 21,299 |
| 1783 | 54 58,8214 | 25 38,738 |
| 1784 | 55 2,1696 | 25 56,176 |
| 1785 | 55 5,5180 | 26 13,611 |
| 1786 | 55 8,8666 | 26 31,043 |
| 1787 | 55 12,2154 | 26 48,473 |
| 1788 | 55 15,5644 | 27 5,901 |
| 1789 | 55 18,9136 | 27 23,326 |
| 1790 | 55 22,2630 | 27 40,749 |

Diei reducto addendum est:

ante / post } Apr. 20 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *a Ceti.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | h 2 50′ 17″,798 | + ° 3 10′ 32″,27 | 1780 | Jan. 1 | h 2 50′ 47″,061 | + ° 3 12′ 54″,37 |
| | Apr. 10 | 17,770 | 31,59 | | Apr. 10 | 47,112 | 55,08 |
| | Jul. 19 | 17,734 | 30,89 | | Jul. 19 | 47,170 | 55,79 |
| | Oct. 27 | 17,690 | 30,18 | | Oct. 27 | 47,234 | 56,50 |
| | Dec. 66 | 17,637 | 29,45 | | Dec. 66 | 47,304 | 57,21 |
| 1771 | Jan. 0 | 2 50 20,774 | + 3 10 44,35 | 1781 | Jan. 0 | 2 50 50,398 | + 3 13 11,59 |
| | Apr. 10 | 20,716 | 43,62 | | Apr. 10 | 50,472 | 12,28 |
| | Jul. 19 | 20,652 | 42,89 | | Jul. 19 | 50,551 | 12,94 |
| | Oct. 27 | 20,581 | 42,17 | | Oct. 27 | 50,633 | 13,59 |
| | Dec. 66 | 20,503 | 41,46 | | Dec. 66 | 50,720 | 14,21 |
| 1772 | Jan. 1 | 2 50 23,648 | + 3 10 56,34 | 1782 | Jan. 0 | 2 50 53,809 | + 3 13 28,61 |
| | Apr. 10 | 23,566 | 55,64 | | Apr. 10 | 53,898 | 29,21 |
| | Jul. 19 | 23,481 | 54,97 | | Jul. 19 | 53,989 | 29,77 |
| | Oct. 27 | 23,391 | 54,33 | | Oct. 27 | 54,081 | 30,28 |
| | Dec. 66 | 23,297 | 53,72 | | Dec. 66 | 54,175 | 30,75 |
| 1773 | Jan. 0 | 2 50 26,447 | + 3 11 8,56 | 1783 | Jan. 0 | 2 50 57,262 | + 3 13 45,21 |
| | Apr. 10 | 26,351 | 7,98 | | Apr. 10 | 57,357 | 45,65 |
| | Jul. 19 | 26,254 | 7,44 | | Jul. 19 | 57,450 | 46,03 |
| | Oct. 27 | 26,156 | 6,92 | | Oct. 27 | 57,542 | 46,36 |
| | Dec. 66 | 26,058 | 6,44 | | Dec. 66 | 57,633 | 46,63 |
| 1774 | Jan. 0 | 2 50 29,209 | + 3 11 21,22 | 1784 | Jan. 1 | 2 51 0,722 | + 3 14 1,15 |
| | Apr. 10 | 29,111 | 20,87 | | Apr. 10 | 0,812 | 1,38 |
| | Jul. 19 | 29,015 | 20,57 | | Jul. 19 | 0,898 | 1,55 |
| | Oct. 27 | 28,921 | 20,31 | | Oct. 27 | 0,980 | 1,66 |
| | Dec. 66 | 28,829 | 20,09 | | Dec. 66 | 1,059 | 1,71 |
| 1775 | Jan. 0 | 2 50 31,977 | + 3 11 34,78 | 1785 | Jan. 0 | 2 51 4,153 | + 3 14 16,31 |
| | Apr. 10 | 31,888 | 34,62 | | Apr. 10 | 4,228 | 16,32 |
| | Jul. 19 | 31,804 | 34,53 | | Jul. 19 | 4,298 | 16,25 |
| | Oct. 27 | 31,725 | 34,51 | | Oct. 27 | 4,362 | 16,11 |
| | Dec. 66 | 31,651 | 34,54 | | Dec. 66 | 4,420 | 15,90 |
| 1776 | Jan. 1 | 2 50 34,793 | + 3 11 49,15 | 1786 | Jan. 0 | 2 51 7,521 | + 3 14 30,57 |
| | Apr. 10 | 34,726 | 49,24 | | Apr. 10 | 7,574 | 30,36 |
| | Jul. 19 | 34,663 | 49,40 | | Jul. 19 | 7,619 | 30,09 |
| | Oct. 27 | 34,608 | 49,62 | | Oct. 27 | 7,657 | 29,75 |
| | Dec. 66 | 34,559 | 49,90 | | Dec. 66 | 7,688 | 29,34 |
| 1777 | Jan. 0 | 2 50 37,692 | + 3 12 4,43 | 1787 | Jan. 0 | 2 51 10,798 | + 3 14 44,07 |
| | Apr. 10 | 37,650 | 4,76 | | Apr. 10 | 10,822 | 43,63 |
| | Jul. 19 | 37,617 | 5,14 | | Jul. 19 | 10,838 | 43,14 |
| | Oct. 27 | 37,592 | 5,58 | | Oct. 27 | 10,845 | 42,60 |
| | Dec. 66 | 37,576 | 6,07 | | Dec. 66 | 10,844 | 42,02 |
| 1778 | Jan. 0 | 2 50 40,699 | + 3 12 20,53 | 1788 | Jan. 1 | 2 51 13,965 | + 3 14 56,82 |
| | Apr. 10 | 40,689 | 21,05 | | Apr. 10 | 13,957 | 56,21 |
| | Jul. 19 | 40,687 | 21,61 | | Jul. 19 | 13,941 | 55,57 |
| | Oct. 27 | 40,694 | 22,21 | | Oct. 27 | 13,915 | 54,90 |
| | Dec. 66 | 40,710 | 22,85 | | Dec. 66 | 13,881 | 54,20 |
| 1779 | Jan. 0 | 2 50 43,823 | + 3 12 37,26 | 1789 | Jan. 0 | 2 51 17,013 | + 3 15 9,03 |
| | Apr. 10 | 43,845 | 37,92 | | Apr. 10 | 16,973 | 8,32 |
| | Jul. 19 | 43,875 | 38,59 | | Jul. 19 | 16,926 | 7,60 |
| | Oct. 27 | 43,913 | 39,28 | | Oct. 27 | 16,871 | 6,87 |
| | Dec. 66 | 43,959 | 39,99 | | Dec. 66 | 16,808 | 6,14 |

## Tabulae X. Sect. II. *a Ceti.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,779 | − 7,3 | − 0,64 | − 7,3 | +3 | +1 |
| 10 | +0,693 | − 9,9 | − 1,35 | − 6,8 | +3 | +1 |
| 20 | +0,582 | −12,0 | − 2,00 | − 6,2 | +3 | +1 |
| 30 | +0,453 | −13,6 | − 2,58 | − 5,3 | +3 | +1 |
| Febr. 9 | +0,310 | −14,6 | − 3,06 | − 4,3 | +3 | +1 |
| 19 | +0,161 | −14,8 | − 3,44 | − 3,2 | +3 | +1 |
| Mart. 1 | +0,014 | −14,1 | − 3,70 | − 1,9 | +3 | +1 |
| 11 | −0,121 | −12,5 | − 3,82 | − 0,4 | +2 | +1 |
| 21 | −0,236 | −10,1 | − 3,78 | + 1,2 | +2 | +1 |
| 31 | −0,322 | − 6,9 | − 3,58 | + 3,0 | +2 | 0 |
| Apr. 10 | −0,374 | − 3,2 | − 3,18 | + 5,0 | +1 | 0 |
| 20 | −0,385 | + 1,2 | − 2,58 | + 7,1 | +1 | 0 |
| 30 | −0,351 | + 5,7 | − 1,77 | + 9,1 | 0 | −1 |
| Maj. 10 | −0,272 | +10,2 | − 0,76 | +11,2 | 0 | −1 |
| 20 | −0,147 | +14,7 | + 0,46 | +13,1 | −1 | −1 |
| 30 | +0,021 | +18,8 | + 1,86 | +14,8 | −1 | −2 |
| Jun. 9 | +0,228 | +22,4 | + 3,41 | +16,2 | −1 | −2 |
| 19 | +0,469 | +25,4 | + 5,09 | +17,2 | −2 | −2 |
| 29 | +0,736 | +27,8 | + 6,85 | +17,8 | −2 | −3 |
| Jul. 9 | +1,025 | +29,5 | + 8,64 | +17,8 | −2 | −3 |
| 19 | +1,325 | +30,3 | +10,41 | +17,4 | −2 | −3 |
| 29 | +1,631 | +30,6 | +12,11 | +16,4 | −2 | −3 |
| Aug. 8 | +1,937 | +30,0 | +13,69 | +15,0 | −2 | −3 |
| 18 | +2,231 | +28,9 | +15,10 | +13,2 | −2 | −3 |
| 28 | +2,514 | +27,4 | +16,32 | +11,0 | −2 | −3 |
| Sept. 7 | +2,778 | +25,4 | +17,29 | + 8,5 | −2 | −3 |
| 17 | +3,021 | +23,1 | +18,02 | + 6,0 | −1 | −3 |
| 27 | +3,240 | +20,6 | +18,48 | + 3,4 | −1 | −3 |
| Oct. 7 | +3,433 | +17,9 | +18,69 | + 0,9 | −1 | −3 |
| 17 | +3,598 | +15,1 | +18,65 | − 1,4 | 0 | −3 |
| 27 | +3,735 | +12,3 | +18,41 | − 3,4 | 0 | −3 |
| Nov. 6 | +3,843 | + 9,4 | +17,97 | − 5,1 | +1 | −3 |
| 16 | +3,922 | + 6,5 | +17,40 | − 6,3 | +2 | −3 |
| 26 | +3,972 | + 3,5 | +16,72 | − 7,1 | +2 | −3 |
| Dec. 6 | +3,991 | + 0,4 | +15,98 | − 7,6 | +3 | −2 |
| 16 | +3,980 | − 2,7 | +15,21 | − 7,7 | +3 | −2 |
| 26 | +3,938 | − 5,6 | +14,44 | − 7,6 | +3 | −2 |
| 36 | +3,869 | − 8,3 | +13,70 | − 7,2 | +4 | −2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 2 50 16,7837 | + 3 10 29,186 |
| 1771 | 50 19,9016 | 10 43,833 |
| 1772 | 50 23,0196 | 10 58,477 |
| 1773 | 50 26,1377 | 11 13,118 |
| 1774 | 50 29,2559 | 11 27,756 |
| 1775 | 50 32,3742 | 11 42,390 |
| 1776 | 50 35,4926 | 11 57,021 |
| 1777 | 50 38,6111 | 12 11,649 |
| 1778 | 50 41,7297 | 12 26,274 |
| 1779 | 50 44,8484 | 12 40,896 |
| 1780 | 50 47,9672 | 12 55,515 |
| 1781 | 50 51,0861 | 13 10,131 |
| 1782 | 50 54,2051 | 13 24,743 |
| 1783 | 50 57,3242 | 13 39,352 |
| 1784 | 51 0,4434 | 13 53,958 |
| 1785 | 51 3,5626 | 14 8,561 |
| 1786 | 51 6,6820 | 14 23,161 |
| 1787 | 51 9,8015 | 14 37,757 |
| 1788 | 51 12,9211 | 14 52,351 |
| 1789 | 51 16,0408 | 15 6,941 |
| 1790 | 51 19,1604 | 15 21,528 |

Diei reducto addendum est:

ante } Maj. 5 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 4 22 45,914 | + 16 1 39,01 | 1780 | Jan. 1 | 4 23 18,019 | + 16 3 1,00 |
| | Apr. 10 | 45,888 | 38,21 | | Apr. 10 | 18,072 | 1,77 |
| | Jul. 19 | 45,852 | 37,41 | | Jul. 19 | 18,132 | 2,51 |
| | Oct. 27 | 45,807 | 36,62 | | Oct. 27 | 18,199 | 3,21 |
| | Dec. 66 | 45,753 | 35,84 | | Dec. 66 | 18,274 | 3,89 |
| 1771 | Jan. 0 | 4 22 49,196 | + 16 1 44,18 | 1781 | Jan. 0 | 4 23 21,673 | + 16 3 11,70 |
| | Apr. 10 | 49,136 | 43,42 | | Apr. 10 | 21,752 | 12,35 |
| | Jul. 19 | 49,069 | 42,69 | | Jul. 19 | 21,835 | 12,96 |
| | Oct. 27 | 48,995 | 41,99 | | Oct. 27 | 21,924 | 13,51 |
| | Dec. 66 | 48,911 | 41,33 | | Dec. 66 | 22,017 | 14,02 |
| 1772 | Jan. 1 | 4 22 52,363 | + 16 1 49,62 | 1782 | Jan. 0 | 4 23 25,411 | + 16 3 21,89 |
| | Apr. 10 | 52,276 | 48,99 | | Apr. 10 | 25,507 | 22,36 |
| | Jul. 19 | 52,184 | 48,41 | | Jul. 19 | 25,605 | 22,77 |
| | Oct. 27 | 52,087 | 47,88 | | Oct. 27 | 25,705 | 23,11 |
| | Dec. 66 | 51,986 | 47,41 | | Dec. 66 | 25,808 | 23,40 |
| 1773 | Jan. 0 | 4 22 55,445 | + 16 1 55,63 | 1783 | Jan. 0 | 4 23 29,199 | + 16 3 31,34 |
| | Apr. 10 | 55,341 | 55,21 | | Apr. 10 | 29,302 | 31,58 |
| | Jul. 19 | 55,235 | 54,85 | | Jul. 19 | 29,405 | 31,75 |
| | Oct. 27 | 55,128 | 54,56 | | Oct. 27 | 29,507 | 31,85 |
| | Dec. 66 | 55,020 | 54,34 | | Dec. 66 | 29,608 | 31,88 |
| 1774 | Jan. 0 | 4 22 58,480 | + 16 2 2,48 | 1784 | Jan. 1 | 4 23 32,999 | + 16 3 39,90 |
| | Apr. 10 | 58,372 | 2,31 | | Apr. 10 | 33,099 | 39,89 |
| | Jul. 19 | 58,266 | 2,21 | | Jul. 19 | 33,195 | 39,80 |
| | Oct. 27 | 58,161 | 2,19 | | Oct. 27 | 33,287 | 39,65 |
| | Dec. 66 | 58,059 | 2,25 | | Dec. 66 | 33,376 | 39,42 |
| 1775 | Jan. 0 | 4 23 1,517 | + 16 2 10,29 | 1785 | Jan. 0 | 4 23 36,772 | + 16 3 47,52 |
| | Apr. 10 | 1,417 | 10,40 | | Apr. 10 | 36,858 | 47,25 |
| | Jul. 19 | 1,323 | 10,58 | | Jul. 19 | 36,937 | 46,92 |
| | Oct. 27 | 1,234 | 10,83 | | Oct. 27 | 37,008 | 46,52 |
| | Dec. 66 | 1,150 | 11,16 | | Dec. 66 | 37,073 | 46,06 |
| 1776 | Jan. 1 | 4 23 4,602 | + 16 2 19,11 | 1786 | Jan. 0 | 4 23 40,480 | + 16 3 54,24 |
| | Apr. 10 | 4,523 | 19,48 | | Apr. 10 | 40,542 | 53,74 |
| | Jul. 19 | 4,451 | 19,91 | | Jul. 19 | 40,596 | 53,19 |
| | Oct. 27 | 4,388 | 20,41 | | Oct. 27 | 40,641 | 52,59 |
| | Dec. 66 | 4,332 | 20,96 | | Dec. 66 | 40,678 | 51,94 |
| 1777 | Jan. 0 | 4 23 7,774 | + 16 2 28,83 | 1787 | Jan. 0 | 4 23 44,092 | + 16 4 0,17 |
| | Apr. 10 | 7,724 | 29,42 | | Apr. 10 | 44,123 | 3 59,49 |
| | Jul. 19 | 7,683 | 30,05 | | Jul. 19 | 44,144 | 58,78 |
| | Oct. 27 | 7,652 | 30,72 | | Oct. 27 | 44,156 | 58,05 |
| | Dec. 66 | 7,630 | 31,44 | | Dec. 66 | 44,158 | 57,28 |
| 1778 | Jan. 0 | 4 23 11,061 | + 16 2 39,25 | 1788 | Jan. 1 | 4 23 47,584 | + 16 4 5,54 |
| | Apr. 10 | 11,045 | 39,99 | | Apr. 10 | 47,579 | 4,76 |
| | Jul. 19 | 11,040 | 40,74 | | Jul. 19 | 47,565 | 3,97 |
| | Oct. 27 | 11,044 | 41,51 | | Oct. 27 | 47,541 | 3,17 |
| | Dec. 66 | 11,058 | 42,30 | | Dec. 66 | 47,508 | 2,37 |
| 1779 | Jan. 0 | 4 23 14,477 | + 16 2 50,08 | 1789 | Jan. 0 | 4 23 50,946 | + 16 4 10,64 |
| | Apr. 10 | 14,497 | 50,87 | | Apr. 10 | 50,906 | 9,84 |
| | Jul. 19 | 14,526 | 51,66 | | Jul. 19 | 50,858 | 9,06 |
| | Oct. 27 | 14,564 | 52,44 | | Oct. 27 | 50,800 | 8,30 |
| | Dec. 66 | 14,611 | 53,21 | | Dec. 66 | 50,734 | 7,55 |

## Tabulae X. Sect. II. *α Tauri.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,206 | — 0,6 | + 1,32 | — 2,5 | +2 | —1 |
| 10 | +1,180 | — 4,7 | + 1,07 | — 2,6 | +2 | —1 |
| 20 | +1,113 | — 8,5 | + 0,81 | — 2,6 | +3 | —1 |
| 30 | +1,011 | —11,6 | + 0,56 | — 2,6 | +3 | 0 |
| Febr. 9 | +0,878 | —14,5 | + 0,30 | — 2,7 | +3 | 0 |
| 19 | +0,721 | —16,3 | + 0,03 | — 2,8 | +3 | 0 |
| Mart. 1 | +0,552 | —17,2 | — 0,25 | — 2,8 | +4 | 0 |
| 11 | +0,378 | —17,0 | — 0,53 | — 2,7 | +3 | 0 |
| 21 | +0,212 | —15,8 | — 0,79 | — 2,5 | +3 | 0 |
| 31 | +0,063 | —13,6 | — 1,02 | — 2,1 | +3 | 0 |
| Apr. 10 | —0,059 | —10,4 | — 1,20 | — 1,5 | +3 | 0 |
| 20 | —0,145 | — 6,6 | — 1,31 | — 0,6 | +2 | 0 |
| 30 | —0,191 | — 2,3 | — 1,31 | + 0,6 | +2 | 0 |
| Maj. 10 | —0,191 | + 2,4 | — 1,19 | + 1,9 | +1 | 0 |
| 20 | —0,144 | + 7,1 | — 0,93 | + 3,3 | +1 | 0 |
| 30 | —0,049 | +11,7 | — 0,53 | + 4,8 | 0 | 0 |
| Jun. 9 | +0,090 | +16,0 | + 0,02 | + 6,3 | 0 | —1 |
| 19 | +0,271 | +19,9 | + 0,72 | + 7,6 | —1 | —1 |
| 29 | +0,488 | +23,2 | + 1,54 | + 8,7 | —1 | —1 |
| Jul. 9 | +0,735 | +26,0 | + 2,46 | + 9,6 | —2 | —2 |
| 19 | +1,008 | +28,1 | + 3,46 | +10,2 | —2 | —2 |
| 29 | +1,297 | +29,6 | + 4,50 | +10,4 | —2 | —3 |
| Aug. 8 | +1,599 | +30,5 | + 5,54 | +10,3 | —2 | —3 |
| 18 | +1,906 | +30,8 | + 6,55 | + 9,8 | —2 | —3 |
| 28 | +2,214 | +30,6 | + 7,49 | + 8,9 | —2 | —4 |
| Sept. 7 | +2,518 | +30,0 | + 8,32 | + 7,7 | —2 | —4 |
| 17 | +2,813 | +29,0 | + 9,03 | + 6,4 | —2 | —4 |
| 27 | +3,097 | +27,7 | + 9,59 | + 4,9 | —2 | —5 |
| Oct. 7 | +3,366 | +26,1 | +10,01 | + 3,5 | —2 | —5 |
| 17 | +3,618 | +24,2 | +10,28 | + 2,0 | —1 | —5 |
| 27 | +3,849 | +22,0 | +10,41 | + 0,8 | —1 | —5 |
| Nov. 6 | +4,057 | +19,5 | +10,43 | — 0,3 | 0 | —5 |
| 16 | +4,238 | +16,6 | +10,35 | — 1,2 | 0 | —5 |
| 26 | +4,389 | +13,4 | +10,19 | — 1,8 | +1 | —6 |
| Dec. 6 | +4,506 | + 9,9 | + 9,99 | — 2,2 | +2 | —6 |
| 16 | +4,586 | + 6,1 | + 9,76 | — 2,4 | +2 | —6 |
| 26 | +4,627 | + 2,0 | + 9,51 | — 2,5 | +3 | —5 |
| 36 | +4,626 | — 2,1 | + 9,26 | — 2,5 | +3 | —5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 4 22 44,7909 | +16 1 38,601 |
| 1771 | 22 48,2148 | 1 46,684 |
| 1772 | 22 51,6388 | 1 54,763 |
| 1773 | 22 55,0629 | 2 2,837 |
| 1774 | 22 58,4871 | 2 10,907 |
| 1775 | 23 1,9113 | 2 18,972 |
| 1776 | 23 5,3357 | 2 27,033 |
| 1777 | 23 8,7602 | 2 35,089 |
| 1778 | 23 12,1848 | 2 43,140 |
| 1779 | 23 15,6095 | 2 51,187 |
| 1780 | 23 19,0344 | 2 59,229 |
| 1781 | 23 22,4593 | 3 7,267 |
| 1782 | 23 25,8844 | 3 15,300 |
| 1783 | 23 29,3096 | 3 23,328 |
| 1784 | 23 32,7349 | 3 31,352 |
| 1785 | 23 36,1602 | 3 39,371 |
| 1786 | 23 39,5857 | 3 47,386 |
| 1787 | 23 43,0113 | 3 55,396 |
| 1788 | 23 46,4370 | 4 3,402 |
| 1789 | 23 49,8628 | 4 11,403 |
| 1790 | 23 53,2888 | 4 19,399 |

Diei reducto addendum est:

ante } Maj. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Aurigae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 4 59 45,496 | +45 44 16,65 | 1780 | Jan. 1 | 5 0 26,745 | +45 45 7,85 |
| | Apr. 10 | 45,468 | 15,84 | | Apr. 10 | 26,807 | 8,60 |
| | Jul. 19 | 45,428 | 15,04 | | Jul. 19 | 26,879 | 9,31 |
| | Oct. 27 | 45,376 | 14,26 | | Oct. 27 | 26,961 | 9,98 |
| | Dec. 66 | 45,312 | 13,49 | | Dec. 66 | 27,053 | 10,62 |
| 1771 | Jan. 0 | 4 59 49,739 | +45 44 18,53 | 1781 | Jan. 0 | 5 0 31,427 | +45 45 15,14 |
| | Apr. 10 | 49,667 | 17,79 | | Apr. 10 | 31,525 | 15,74 |
| | Jul. 19 | 49,585 | 17,09 | | Jul. 19 | 31,629 | 16,29 |
| | Oct. 27 | 49,493 | 16,43 | | Oct. 27 | 31,740 | 16,78 |
| | Dec. 66 | 49,390 | 15,81 | | Dec. 66 | 31,857 | 17,22 |
| 1772 | Jan. 1 | 4 59 53,850 | +45 44 20,79 | 1782 | Jan. 0 | 5 0 36,223 | +45 45 21,80 |
| | Apr. 10 | 53,721 | 20,22 | | Apr. 10 | 36,345 | 22,20 |
| | Jul. 19 | 53,606 | 19,70 | | Jul. 19 | 36,470 | 22,53 |
| | Oct. 27 | 53,484 | 19,23 | | Oct. 27 | 36,598 | 22,79 |
| | Dec. 66 | 53,356 | 18,85 | | Dec. 66 | 36,729 | 22,98 |
| 1773 | Jan. 0 | 4 59 57,804 | +45 44 23,75 | 1783 | Jan. 0 | 5 0 41,091 | +45 45 27,64 |
| | Apr. 10 | 57,672 | 23,41 | | Apr. 10 | 41,224 | 27,79 |
| | Jul. 19 | 57,537 | 23,14 | | Jul. 19 | 41,356 | 27,86 |
| | Oct. 27 | 57,400 | 22,94 | | Oct. 27 | 41,488 | 27,87 |
| | Dec. 66 | 57,260 | 22,82 | | Dec. 66 | 41,620 | 27,80 |
| 1774 | Jan. 0 | 5 0 1,712 | +45 44 27,62 | 1784 | Jan. 1 | 5 0 45,982 | +45 45 32,53 |
| | Apr. 10 | 1,572 | 27,55 | | Apr. 10 | 46,112 | 32,42 |
| | Jul. 19 | 1,434 | 27,56 | | Jul. 19 | 46,238 | 32,23 |
| | Oct. 27 | 1,298 | 27,65 | | Oct. 27 | 46,361 | 31,97 |
| | Dec. 66 | 1,165 | 27,81 | | Dec. 66 | 46,479 | 31,64 |
| 1775 | Jan. 0 | 5 0 5,614 | +45 44 32,51 | 1785 | Jan. 0 | 5 0 50,845 | +45 45 36,46 |
| | Apr. 10 | 5,483 | 32,73 | | Apr. 10 | 50,958 | 36,09 |
| | Jul. 19 | 5,358 | 33,02 | | Jul. 19 | 51,064 | 35,66 |
| | Oct. 27 | 5,240 | 33,37 | | Oct. 27 | 51,162 | 35,17 |
| | Dec. 66 | 5,128 | 33,80 | | Dec. 66 | 51,253 | 34,62 |
| 1776 | Jan. 1 | 5 0 9,569 | +45 44 38,41 | 1786 | Jan. 0 | 5 0 55,630 | +45 45 39,50 |
| | Apr. 10 | 9,463 | 38,88 | | Apr. 10 | 55,715 | 38,91 |
| | Jul. 19 | 9,366 | 39,41 | | Jul. 19 | 55,789 | 38,28 |
| | Oct. 27 | 9,279 | 39,99 | | Oct. 27 | 55,853 | 37,61 |
| | Dec. 66 | 9,201 | 40,63 | | Dec. 66 | 55,906 | 36,89 |
| 1777 | Jan. 0 | 5 0 13,631 | +45 44 45,16 | 1787 | Jan. 0 | 5 1 0,296 | +45 45 41,82 |
| | Apr. 10 | 13,561 | 45,83 | | Apr. 10 | 0,342 | 41,03 |
| | Jul. 19 | 13,503 | 46,54 | | Jul. 19 | 0,375 | 40,31 |
| | Oct. 27 | 13,457 | 47,28 | | Oct. 27 | 0,397 | 39,52 |
| | Dec. 66 | 13,423 | 48,05 | | Dec. 66 | 0,406 | 38,71 |
| 1778 | Jan. 0 | 5 0 17,838 | +45 44 52,54 | 1788 | Jan. 1 | 5 1 4,811 | +45 45 43,67 |
| | Apr. 10 | 17,812 | 53,32 | | Apr. 10 | 4,811 | 42,85 |
| | Jul. 19 | 17,798 | 54,12 | | Jul. 19 | 4,799 | 42,04 |
| | Oct. 27 | 17,797 | 54,93 | | Oct. 27 | 4,775 | 41,23 |
| | Dec. 66 | 17,809 | 55,75 | | Dec. 66 | 4,738 | 40,42 |
| 1779 | Jan. 0 | 5 0 22,209 | +45 45 0,21 | 1789 | Jan. 0 | 5 1 9,159 | +45 45 45,36 |
| | Apr. 10 | 22,229 | 1,02 | | Apr. 10 | 9,113 | 44,56 |
| | Jul. 19 | 22,260 | 1,82 | | Jul. 19 | 9,056 | 43,79 |
| | Oct. 27 | 22,304 | 2,61 | | Oct. 27 | 8,987 | 43,05 |
| | Dec. 66 | 22,359 | 3,38 | | Dec. 66 | 8,906 | 42,33 |

## Tabulae X. Sect. II. *α Aurigae.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,811 | + 2,4 | +4,37 | +13,9 | +3 | — 4 |
| 10 | +1,804 | — 3,7 | +5,71 | +12,7 | +4 | — 4 |
| 20 | +1,737 | — 9,6 | +6,91 | +11,0 | +5 | — 4 |
| 30 | +1,613 | —15,9 | +7,91 | + 8,9 | +5 | — 3 |
| Febr. 9 | +1,440 | —19,3 | +8,68 | + 6,3 | +6 | — 3 |
| 19 | +1,228 | —22,5 | +9,16 | + 3,4 | +6 | — 2 |
| Mart. 1 | +0,990 | —24,5 | +9,35 | + 0,4 | +6 | — 1 |
| 11 | +0,739 | —25,0 | +9,24 | — 2,7 | +6 | 0 |
| 21 | +0,490 | —24,1 | +8,82 | — 5,6 | +6 | 0 |
| 31 | +0,258 | —21,7 | +8,13 | — 8,2 | +6 | + 1 |
| Apr. 10 | +0,056 | —18,1 | +7,19 | —10,4 | +5 | + 1 |
| 20 | —0,104 | —13,5 | +6,06 | —12,0 | +4 | + 2 |
| 30 | —0,213 | — 8,0 | +4,79 | —13,2 | +4 | + 2 |
| Maj. 10 | —0,264 | — 2,1 | +3,43 | —13,7 | +3 | + 2 |
| 20 | —0,254 | + 4,2 | +2,05 | —13,7 | +2 | + 2 |
| 30 | —0,181 | +10,4 | +0,70 | —13,1 | +1 | + 2 |
| Jun. 9 | —0,047 | +16,3 | —0,57 | —12,2 | 0 | + 2 |
| 19 | +0,144 | +21,7 | —1,73 | —10,7 | —1 | + 2 |
| 29 | +0,387 | +26,6 | —2,71 | — 9,0 | —2 | + 1 |
| Jul. 9 | +0,676 | +30,9 | —3,53 | — 7,2 | —2 | 0 |
| 19 | +1,004 | +34,3 | —4,15 | — 5,2 | —3 | 0 |
| 29 | +1,362 | +37,0 | —4,56 | — 3,1 | —3 | — 1 |
| Aug. 8 | +1,744 | +39,0 | —4,77 | — 1,1 | —4 | — 2 |
| 18 | +2,142 | +40,3 | —4,78 | + 0,9 | —4 | — 3 |
| 28 | +2,549 | +40,9 | —4,59 | + 2,8 | —4 | — 4 |
| Sept. 7 | +2,959 | +41,0 | —4,23 | + 4,5 | —4 | — 5 |
| 17 | +3,368 | +40,5 | —3,70 | + 6,1 | —4 | — 5 |
| 27 | +3,769 | +39,6 | —3,01 | + 7,6 | —4 | — 6 |
| Oct. 7 | +4,159 | +38,2 | —2,18 | + 9,0 | —3 | — 7 |
| 17 | +4,532 | +36,2 | —1,21 | +10,3 | —3 | — 8 |
| 27 | +4,882 | +33,7 | —0,12 | +11,6 | —2 | — 9 |
| Nov. 6 | +5,206 | +30,7 | +1,10 | +12,7 | —1 | — 9 |
| 16 | +5,495 | +26,9 | +2,41 | +13,6 | 0 | —10 |
| 26 | +5,744 | +22,6 | +3,81 | +14,3 | +1 | —10 |
| Dec. 6 | +5,947 | +17,7 | +5,26 | +14,7 | +2 | —11 |
| 16 | +6,097 | +12,1 | +6,74 | +14,8 | +3 | —11 |
| 26 | +6,189 | + 6,2 | +8,21 | +14,4 | +4 | —11 |
| 36 | +6,221 | + 0,1 | +9,62 | +13,5 | +5 | —10 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 4 59 44,0346 | +45 44 17,360 |
| 1771 | 59 48,4385 | 44 22,148 |
| 1772 | 59 52,8426 | 44 26,929 |
| 1773 | 59 57,2469 | 44 31,704 |
| 1774 | 5 0 1,6514 | 44 36,473 |
| 1775 | 0 6,0560 | 44 41,236 |
| 1776 | 0 10,4608 | 44 45,992 |
| 1777 | 0 14,8658 | 44 50,743 |
| 1778 | 0 19,2710 | 44 55,487 |
| 1779 | 0 23,6764 | 45 0,224 |
| 1780 | 0 28,0820 | 45 4,956 |
| 1781 | 0 32,4878 | 45 9,681 |
| 1782 | 0 36,8937 | 45 14,401 |
| 1783 | 0 41,2998 | 45 19,114 |
| 1784 | 0 45,7061 | 45 23,820 |
| 1785 | 0 50,1126 | 45 28,521 |
| 1786 | 0 54,5193 | 45 33,215 |
| 1787 | 0 58,9262 | 45 37,903 |
| 1788 | 1 3,3332 | 45 42,585 |
| 1789 | 1 7,7404 | 45 47,261 |
| 1790 | 1 12,1478 | 45 51,930 |

Diei reducto addendum est:

ante } Jun. 6 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. β *Orionis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 5 3 30,500 | — 8 29 3,26 | 1780 | Jan. 1 | 5 3 57,528 | — 8 28 10,97 |
| | Apr. 10 | 30,471 | 4,08 | | Apr. 10 | 57,578 | 10,23 |
| | Jul. 19 | 30,434 | 4,87 | | Jul. 19 | 57,634 | 9,52 |
| | Oct. 27 | 30,390 | 5,65 | | Oct. 27 | 57,696 | 8,85 |
| | Dec. 66 | 30,338 | 6,41 | | Dec. 66 | 57,764 | 8,22 |
| 1771 | Jan. 0 | 5 3 33,232 | — 8 29 1,29 | 1781 | Jan. 0 | 5 4 0,617 | — 8 28 3,60 |
| | Apr. 10 | 33,176 | 2,03 | | Apr. 10 | 0,688 | 3,00 |
| | Jul. 19 | 33,113 | 2,73 | | Jul. 19 | 0,762 | 2,46 |
| | Oct. 27 | 33,045 | 3,38 | | Oct. 27 | 0,840 | 1,97 |
| | Dec. 66 | 32,971 | 3,99 | | Dec. 66 | 0,921 | 1,54 |
| 1772 | Jan. 1 | 5 3 35,872 | — 8 28 58,93 | 1782 | Jan. 0 | 5 4 3,771 | — 8 27 56,86 |
| | Apr. 10 | 35,795 | 59,50 | | Apr. 10 | 3,854 | 56,47 |
| | Jul. 19 | 35,714 | 29 0,01 | | Jul. 19 | 3,938 | 56,15 |
| | Oct. 27 | 35,625 | 0,46 | | Oct. 27 | 4,024 | 55,90 |
| | Dec. 66 | 35,542 | 0,85 | | Dec. 66 | 4,111 | 55,71 |
| 1773 | Jan. 0 | 5 3 38,448 | — 8 28 55,87 | 1783 | Jan. 0 | 5 4 6,958 | — 8 27 50,95 |
| | Apr. 10 | 38,359 | 56,20 | | Apr. 10 | 7,045 | 50,81 |
| | Jul. 19 | 38,269 | 56,47 | | Jul. 19 | 7,130 | 50,74 |
| | Oct. 27 | 38,179 | 56,66 | | Oct. 27 | 7,215 | 50,75 |
| | Dec. 66 | 38,088 | 56,79 | | Dec. 66 | 7,298 | 50,83 |
| 1774 | Jan. 0 | 5 3 40,995 | — 8 28 51,91 | 1784 | Jan. 1 | 5 4 10,147 | — 8 27 45,98 |
| | Apr. 10 | 40,904 | 51,95 | | Apr. 10 | 10,228 | 46,11 |
| | Jul. 19 | 40,816 | 51,92 | | Jul. 19 | 10,306 | 46,31 |
| | Oct. 27 | 40,731 | 51,82 | | Oct. 27 | 10,380 | 46,57 |
| | Dec. 66 | 40,648 | 51,65 | | Dec. 66 | 10,450 | 46,91 |
| 1775 | Jan. 0 | 5 3 43,552 | — 8 28 46,87 | 1785 | Jan. 0 | 5 4 13,304 | — 8 27 41,98 |
| | Apr. 10 | 43,471 | 46,64 | | Apr. 10 | 13,371 | 42,36 |
| | Jul. 19 | 43,396 | 46,34 | | Jul. 19 | 13,433 | 42,80 |
| | Oct. 27 | 43,325 | 45,98 | | Oct. 27 | 13,489 | 43,30 |
| | Dec. 66 | 43,260 | 45,54 | | Dec. 66 | 13,539 | 43,86 |
| 1776 | Jan. 1 | 5 3 46,157 | — 8 28 40,85 | 1786 | Jan. 0 | 5 4 16,400 | — 8 27 38,86 |
| | Apr. 10 | 46,096 | 40,36 | | Apr. 10 | 16,446 | 39,45 |
| | Jul. 19 | 46,042 | 39,82 | | Jul. 19 | 16,484 | 40,09 |
| | Oct. 27 | 45,996 | 39,23 | | Oct. 27 | 16,515 | 40,77 |
| | Dec. 66 | 45,958 | 38,59 | | Dec. 66 | 16,539 | 41,50 |
| 1777 | Jan. 0 | 5 3 48,847 | — 8 28 33,97 | 1787 | Jan. 0 | 5 4 19,409 | — 8 27 36,46 |
| | Apr. 10 | 48,810 | 33,29 | | Apr. 10 | 19,428 | 37,20 |
| | Jul. 19 | 48,781 | 32,58 | | Jul. 19 | 19,438 | 37,97 |
| | Oct. 27 | 48,762 | 31,84 | | Oct. 27 | 19,441 | 38,76 |
| | Dec. 66 | 48,752 | 31,06 | | Dec. 66 | 19,435 | 39,57 |
| 1778 | Jan. 0 | 5 3 51,631 | — 8 28 26,49 | 1788 | Jan. 1 | 5 4 22,315 | — 8 27 34,51 |
| | Apr. 10 | 51,625 | 25,70 | | Apr. 10 | 22,303 | 35,33 |
| | Jul. 19 | 51,628 | 24,90 | | Jul. 19 | 22,284 | 36,14 |
| | Oct. 27 | 51,639 | 24,09 | | Oct. 27 | 22,257 | 36,95 |
| | Dec. 66 | 51,658 | 23,27 | | Dec. 66 | 22,222 | 37,76 |
| 1779 | Jan. 0 | 5 3 54,527 | — 8 28 18,71 | 1789 | Jan. 0 | 5 4 25,111 | — 8 27 32,70 |
| | Apr. 10 | 54,551 | 17,90 | | Apr. 10 | 25,071 | 33,50 |
| | Jul. 19 | 54,583 | 17,10 | | Jul. 19 | 25,024 | 34,27 |
| | Oct. 27 | 54,621 | 16,32 | | Oct. 27 | 24,969 | 35,01 |
| | Dec. 66 | 54,667 | 15,55 | | Dec. 66 | 24,908 | 35,72 |

## Tabulae X. Sect. II. *β Orionis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,276 | + 1,3 | — 2,95 | —15,9 | +1 | +1 |
| 10 | +1,267 | — 3,0 | — 4,48 | —14,4 | +2 | +1 |
| 20 | +1,217 | — 7,0 | — 5,83 | —12,4 | +2 | +1 |
| 30 | +1,128 | —10,7 | — 6,96 | —10,2 | +2 | 0 |
| Febr. 9 | +1,004 | —13,8 | — 7,87 | — 7,9 | +3 | 0 |
| 19 | +0,853 | —16,1 | — 8,53 | — 5,4 | +3 | 0 |
| Mart. 1 | +0,683 | —17,5 | — 8,95 | — 2,9 | +3 | 0 |
| 11 | +0,503 | —18,0 | — 9,11 | — 0,4 | +3 | 0 |
| 21 | +0,323 | —17,5 | — 9,03 | + 2,1 | +3 | —1 |
| 31 | +0,153 | —16,0 | — 8,69 | + 4,6 | +3 | —1 |
| Apr. 10 | +0,003 | —13,6 | — 8,11 | + 7,0 | +2 | —1 |
| 20 | —0,119 | —10,5 | — 7,29 | + 9,4 | +2 | —1 |
| 30 | —0,207 | — 6,8 | — 6,24 | +11,6 | +2 | —1 |
| Maj. 10 | —0,255 | — 2,7 | — 4,97 | +13,7 | +1 | —2 |
| 20 | —0,260 | + 1,7 | — 3,50 | +15,6 | +1 | —2 |
| 30 | —0,222 | + 6,0 | — 1,86 | +17,2 | +1 | —2 |
| Jun. 9 | —0,140 | +10,2 | — 0,07 | +18,4 | 0 | —2 |
| 19 | —0,018 | +14,2 | + 1,82 | +19,2 | 0 | —3 |
| 29 | +0,143 | +17,8 | + 3,76 | +19,5 | —1 | —3 |
| Jul. 9 | +0,337 | +20,9 | + 5,71 | +19,2 | —1 | —3 |
| 19 | +0,560 | +23,4 | + 7,60 | +18,4 | —1 | —3 |
| 29 | +0,805 | +25,5 | + 9,38 | +17,0 | —2 | —3 |
| Aug. 8 | +1,069 | +27,1 | +10,99 | +14,9 | —2 | —3 |
| 18 | +1,346 | +28,0 | +12,36 | +12,4 | —2 | —3 |
| 28 | +1,628 | +28,5 | +13,46 | + 9,4 | —2 | —3 |
| Sept. 7 | +1,915 | +28,6 | +14,23 | + 5,9 | —2 | —3 |
| 17 | +2,200 | +28,3 | +14,64 | + 2,3 | —2 | —3 |
| 27 | +2,480 | +27,6 | +14,68 | — 1,5 | —2 | —3 |
| Oct. 7 | +2,751 | +26,5 | +14,35 | — 5,2 | —2 | —3 |
| 17 | +3,009 | +25,0 | +13,65 | — 8,6 | —2 | —3 |
| 27 | +3,251 | +23,2 | +12,64 | —11,6 | —1 | —3 |
| Nov. 6 | +3,473 | +21,0 | +11,34 | —14,1 | —1 | —3 |
| 16 | +3,671 | +18,4 | + 9,82 | —16,0 | —1 | —3 |
| 26 | +3,840 | +15,3 | + 8,15 | —17,2 | 0 | —3 |
| Dec. 6 | +3,977 | +11,8 | + 6,39 | —17,7 | 0 | —3 |
| 16 | +4,076 | + 8,0 | + 4,62 | —17,5 | +1 | —3 |
| 26 | +4,136 | + 3,9 | + 2,89 | —16,7 | +1 | —3 |
| 36 | +4,154 | — 0,3 | + 1,28 | —15,4 | +2 | —3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 5 3 29,5774 | — 8 29 2,433 |
| 1771 | 3 32,4536 | 28 57,568 |
| 1772 | 3 35,3298 | 28 52,707 |
| 1773 | 3 38,2061 | 28 47,850 |
| 1774 | 3 41,0824 | 28 42,997 |
| 1775 | 3 43,9587 | 28 38,149 |
| 1776 | 3 46,8351 | 28 33,305 |
| 1777 | 3 49,7115 | 28 28,465 |
| 1778 | 3 52,5880 | 28 23,629 |
| 1779 | 3 55,4645 | 28 18,797 |
| 1780 | 3 58,3411 | 28 13,968 |
| 1781 | 4 1,2177 | 28 9,144 |
| 1782 | 4 4,0943 | 28 4,325 |
| 1783 | 4 6,9710 | 27 59,509 |
| 1784 | 4 9,8477 | 27 54,699 |
| 1785 | 4 12,7246 | 27 49,891 |
| 1786 | 4 15,6014 | 27 45,088 |
| 1787 | 4 18,4783 | 27 40,289 |
| 1788 | 4 21,3552 | 27 35,494 |
| 1789 | 4 24,2322 | 27 30,703 |
| 1790 | 4 27,1091 | 27 25,915 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. β *Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 5 11 47,286 | +28 23 26,97 | 1780 | Jan. 1 | 5 12 22,747 | +28 24 10,83 |
| | Apr. 10 | 47,256 | 26,16 | | Apr. 10 | 22,806 | 11,57 |
| | Jul. 19 | 47,216 | 25,36 | | Jul. 19 | 22,872 | 12,27 |
| | Oct. 27 | 47,166 | 24,58 | | Oct. 27 | 22,947 | 12,93 |
| | Dec. 66 | 47,105 | 23,83 | | Dec. 66 | 23,030 | 13,55 |
| 1771 | Jan. 0 | 5 11 50,907 | +28 23 28,06 | 1781 | Jan. 0 | 5 12 26,783 | +28 24 17,28 |
| | Apr. 10 | 50,840 | 27,33 | | Apr. 10 | 26,871 | 17,86 |
| | Jul. 19 | 50,765 | 26,64 | | Jul. 19 | 26,964 | 18,39 |
| | Oct. 27 | 50,681 | 26,00 | | Oct. 27 | 27,062 | 18,86 |
| | Dec. 66 | 50,589 | 25,40 | | Dec. 66 | 27,166 | 19,27 |
| 1772 | Jan. 1 | 5 11 54,402 | +28 23 29,57 | 1782 | Jan. 0 | 5 12 30,912 | +28 24 23,06 |
| | Apr. 10 | 54,305 | 29,01 | | Apr. 10 | 31,019 | 23,43 |
| | Jul. 19 | 54,203 | 28,52 | | Jul. 19 | 31,128 | 23,73 |
| | Oct. 27 | 54,096 | 28,09 | | Oct. 27 | 31,239 | 23,96 |
| | Dec. 66 | 53,984 | 27,73 | | Dec. 66 | 31,352 | 24,13 |
| 1773 | Jan. 0 | 5 11 57,803 | +28 23 31,81 | 1783 | Jan. 0 | 5 12 35,096 | +28 24 28,00 |
| | Apr. 10 | 57,688 | 31,49 | | Apr. 10 | 35,210 | 28,11 |
| | Jul. 19 | 57,571 | 31,25 | | Jul. 19 | 35,323 | 28,16 |
| | Oct. 27 | 57,453 | 31,09 | | Oct. 27 | 35,435 | 28,13 |
| | Dec. 66 | 57,333 | 31,00 | | Dec. 66 | 35,546 | 28,03 |
| 1774 | Jan. 0 | 5 12 1,155 | +28 23 34,99 | 1784 | Jan. 1 | 5 12 39,291 | +28 24 31,98 |
| | Apr. 10 | 1,036 | 34,95 | | Apr. 10 | 39,401 | 31,83 |
| | Jul. 19 | 0,918 | 34,99 | | Jul. 19 | 39,506 | 31,61 |
| | Oct. 27 | 0,803 | 35,11 | | Oct. 27 | 39,608 | 31,32 |
| | Dec. 66 | 0,691 | 35,31 | | Dec. 66 | 39,705 | 30,96 |
| 1775 | Jan. 0 | 5 12 4,509 | +28 23 39,19 | 1785 | Jan. 0 | 5 12 43,455 | +28 24 35,00 |
| | Apr. 10 | 4,399 | 39,44 | | Apr. 10 | 43,549 | 34,60 |
| | Jul. 19 | 4,296 | 39,76 | | Jul. 19 | 43,636 | 34,14 |
| | Oct. 27 | 4,198 | 40,15 | | Oct. 27 | 43,716 | 33,62 |
| | Dec. 66 | 4,106 | 40,61 | | Dec. 66 | 43,788 | 33,04 |
| 1776 | Jan. 1 | 5 12 7,917 | +28 23 44,40 | 1786 | Jan. 0 | 5 12 47,547 | +28 24 37,14 |
| | Apr. 10 | 7,830 | 44,90 | | Apr. 10 | 47,615 | 36,52 |
| | Jul. 19 | 7,752 | 45,46 | | Jul. 19 | 47,673 | 35,87 |
| | Oct. 27 | 7,683 | 46,07 | | Oct. 27 | 47,722 | 35,17 |
| | Dec. 66 | 7,622 | 46,74 | | Dec. 66 | 47,761 | 34,44 |
| 1777 | Jan. 0 | 5 12 11,423 | +28 23 50,46 | 1787 | Jan. 0 | 5 12 51,531 | +28 24 33,58 |
| | Apr. 10 | 11,369 | 51,15 | | Apr. 10 | 51,564 | 37,82 |
| | Jul. 19 | 11,325 | 51,87 | | Jul. 19 | 51,587 | 37,04 |
| | Oct. 27 | 11,291 | 52,63 | | Oct. 27 | 51,599 | 36,24 |
| | Dec. 66 | 11,268 | 53,42 | | Dec. 66 | 51,600 | 35,42 |
| 1778 | Jan. 0 | 5 12 15,056 | +28 23 57,09 | 1788 | Jan. 1 | 5 12 55,383 | +28 24 39,59 |
| | Apr. 10 | 15,040 | 57,89 | | Apr. 10 | 55,377 | 38,76 |
| | Jul. 19 | 15,035 | 58,70 | | Jul. 19 | 55,361 | 37,93 |
| | Oct. 27 | 15,041 | 59,52 | | Oct. 27 | 55,334 | 37,12 |
| | Dec. 66 | 15,057 | 24 0,34 | | Dec. 66 | 55,296 | 36,32 |
| 1779 | Jan. 0 | 5 12 18,832 | +28 24 4,00 | 1789 | Jan. 0 | 5 12 59,092 | +28 24 40,47 |
| | Apr. 10 | 18,855 | 4,81 | | Apr. 10 | 59,047 | 39,68 |
| | Jul. 19 | 18,888 | 5,61 | | Jul. 19 | 58,992 | 38,92 |
| | Oct. 27 | 18,931 | 6,39 | | Oct. 27 | 58,928 | 38,19 |
| | Dec. 66 | 18,983 | 7,15 | | Dec. 66 | 58,854 | 37,48 |

## Tabulae X. Sect. II. *β Tauri.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,464 | + 4,2 | + 1,71 | + 4,2 | +1 | −2 |
| 10 | +1,481 | − 0,8 | + 2,12 | + 4,0 | +2 | −2 |
| 20 | +1,449 | − 5,6 | + 2,51 | + 3,6 | +3 | −2 |
| 30 | +1,369 | −10,1 | + 2,84 | + 3,0 | +3 | −2 |
| Febr. 9 | +1,248 | −13,8 | + 3,10 | + 2,1 | +4 | −2 |
| 19 | +1,093 | −16,8 | + 3,25 | + 0,9 | +4 | −1 |
| Mart. 1 | +0,913 | −18,7 | + 3,28 | − 0,3 | +4 | −1 |
| 11 | +0,720 | −19,4 | + 3,19 | − 1,6 | +4 | −1 |
| 21 | +0,526 | −18,9 | + 2,97 | − 2,7 | +4 | 0 |
| 31 | +0,343 | −17,2 | + 2,65 | − 3,7 | +4 | 0 |
| Apr. 10 | +0,182 | −14,6 | + 2,23 | − 4,5 | +4 | 0 |
| 20 | +0,052 | −11,0 | + 1,75 | − 5,0 | +3 | +1 |
| 30 | −0,038 | − 6,8 | + 1,24 | − 5,1 | +3 | +1 |
| Maj. 10 | −0,083 | − 2,1 | + 0,74 | − 4,9 | +2 | +1 |
| 20 | −0,079 | + 2,9 | + 0,27 | − 4,4 | +2 | +1 |
| 30 | −0,025 | + 7,9 | − 0,14 | − 3,6 | +1 | +1 |
| Jun. 9 | +0,079 | +12,7 | − 0,45 | − 2,6 | 0 | 0 |
| 19 | +0,228 | +17,1 | − 0,66 | − 1,5 | 0 | 0 |
| 29 | +0,420 | +21,1 | − 0,75 | − 0,4 | −1 | 0 |
| Jul. 9 | +0,649 | +24,5 | − 0,73 | + 0,8 | −1 | −1 |
| 19 | +0,910 | +27,3 | − 0,59 | + 1,9 | −2 | −1 |
| 29 | +1,195 | +29,5 | − 0,36 | + 2,7 | −2 | −2 |
| Aug. 8 | +1,500 | +31,2 | − 0,05 | + 3,4 | −3 | −2 |
| 18 | +1,819 | +32,3 | + 0,32 | + 3,9 | −3 | −3 |
| 28 | +2,146 | +32,9 | + 0,73 | + 4,2 | −3 | −3 |
| Sept. 7 | +2,477 | +33,1 | + 1,16 | + 4,3 | −3 | −4 |
| 17 | +2,808 | +32,9 | + 1,58 | + 4,2 | −3 | −4 |
| 27 | +3,134 | +32,3 | + 2,00 | + 4,1 | −3 | −5 |
| Oct. 7 | +3,453 | +31,3 | + 2,39 | + 3,8 | −3 | −6 |
| 17 | +3,760 | +30,0 | + 2,76 | + 3,6 | −2 | −6 |
| 27 | +4,052 | +28,2 | + 3,11 | + 3,5 | −2 | −6 |
| Nov. 6 | +4,324 | +26,0 | + 3,46 | + 3,5 | −2 | −7 |
| 16 | +4,572 | +23,3 | + 3,81 | + 3,6 | −1 | −7 |
| 26 | +4,789 | +20,0 | + 4,17 | + 3,7 | 0 | −7 |
| Dec. 6 | +4,972 | +16,2 | + 4,55 | + 3,9 | 0 | −8 |
| 16 | +5,113 | +11,9 | + 4,95 | + 4,1 | +1 | −8 |
| 26 | +5,210 | + 7,4 | + 5,37 | + 4,2 | +2 | −8 |
| 36 | +5,258 | + 2,3 | + 5,79 | + 4,1 | +3 | −8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 5 11 46,0488 | +28 23 28,041 |
| 1771 | 11 49,8297 | 23 32,020 |
| 1772 | 11 53,6106 | 23 35,994 |
| 1773 | 11 57,3916 | 23 39,963 |
| 1774 | 12 1,1727 | 23 43,926 |
| 1775 | 12 4,9540 | 23 47,884 |
| 1776 | 12 8,7353 | 23 51,836 |
| 1777 | 12 12,5167 | 23 55,783 |
| 1778 | 12 16,2982 | 23 59,725 |
| 1779 | 12 20,0798 | 24 3,661 |
| 1780 | 12 23,8614 | 24 7,592 |
| 1781 | 12 27,6431 | 24 11,518 |
| 1782 | 12 31,4249 | 24 15,438 |
| 1783 | 12 35,2068 | 24 19,353 |
| 1784 | 12 38,9888 | 24 23,262 |
| 1785 | 12 42,7710 | 24 27,166 |
| 1786 | 12 46,5532 | 24 31,065 |
| 1787 | 12 50,3355 | 24 34,958 |
| 1788 | 12 54,1179 | 24 38,846 |
| 1789 | 12 57,9004 | 24 42,728 |
| 1790 | 13 1,6828 | 24 46,604 |

Diei reducto addendum est:

ante } Jun. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Orionis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 5 42 44,566 | + 7 20 39,42 | 1780 | Jan. 1 | 5 43 15,024 | + 7 21 0,29 |
| | Apr. 10 | 44,535 | 38,61 | | Apr. 10 | 15,079 | 1,00 |
| | Jul. 19 | 44,496 | 37,83 | | Jul. 19 | 15,140 | 1,66 |
| | Oct. 27 | 44,449 | 37,08 | | Oct. 27 | 15,208 | 2,27 |
| | Dec. 66 | 44,393 | 36,36 | | Dec. 66 | 15,282 | 2,84 |
| 1771 | Jan. 0 | 5 42 47,656 | + 7 20 38,10 | 1781 | Jan. 0 | 5 43 18,500 | + 7 21 4,11 |
| | Apr. 10 | 47,594 | 37,41 | | Apr. 10 | 18,578 | 4,64 |
| | Jul. 19 | 47,526 | 36,77 | | Jul. 19 | 18,660 | 5,11 |
| | Oct. 27 | 47,451 | 36,18 | | Oct. 27 | 18,747 | 5,52 |
| | Dec. 66 | 47,370 | 35,64 | | Dec. 66 | 18,838 | 5,86 |
| 1772 | Jan. 1 | 5 42 50,641 | + 7 20 37,31 | 1782 | Jan. 0 | 5 43 22,051 | + 7 21 7,20 |
| | Apr. 10 | 50,556 | 36,81 | | Apr. 10 | 22,144 | 7,50 |
| | Jul. 19 | 50,466 | 36,39 | | Jul. 19 | 22,238 | 7,73 |
| | Oct. 27 | 50,372 | 36,03 | | Oct. 27 | 22,334 | 7,89 |
| | Dec. 66 | 50,274 | 35,74 | | Dec. 66 | 22,432 | 7,97 |
| 1773 | Jan. 0 | 5 42 53,551 | + 7 20 37,82 | 1783 | Jan. 0 | 5 43 25,643 | + 7 21 9,39 |
| | Apr. 10 | 53,451 | 37,08 | | Apr. 10 | 25,741 | 9,43 |
| | Jul. 19 | 53,350 | 36,93 | | Jul. 19 | 25,837 | 9,39 |
| | Oct. 27 | 53,248 | 36,85 | | Oct. 27 | 25,933 | 9,28 |
| | Dec. 66 | 53,146 | 36,84 | | Dec. 66 | 26,027 | 9,10 |
| 1774 | Jan. 0 | 5 42 56,424 | + 7 20 38,32 | 1784 | Jan. 1 | 5 43 29,240 | + 7 21 10,61 |
| | Apr. 10 | 56,322 | 38,37 | | Apr. 10 | 29,332 | 10,38 |
| | Jul. 19 | 56,222 | 38,50 | | Jul. 19 | 29,421 | 10,08 |
| | Oct. 27 | 56,125 | 38,71 | | Oct. 27 | 29,506 | 9,71 |
| | Dec. 66 | 56,031 | 38,99 | | Dec. 66 | 29,587 | 9,28 |
| 1775 | Jan. 0 | 5 42 59,305 | + 7 20 40,37 | 1785 | Jan. 0 | 5 43 32,804 | + 7 21 10,87 |
| | Apr. 10 | 59,213 | 40,70 | | Apr. 10 | 32,882 | 10,40 |
| | Jul. 19 | 59,127 | 41,10 | | Jul. 19 | 32,953 | 9,87 |
| | Oct. 27 | 59,046 | 41,57 | | Oct. 27 | 33,018 | 9,29 |
| | Dec. 66 | 58,971 | 42,10 | | Dec. 66 | 33,076 | 8,65 |
| 1776 | Jan. 1 | 5 43 2,239 | + 7 20 43,39 | 1786 | Jan. 0 | 5 43 36,302 | + 7 21 10,30 |
| | Apr. 10 | 2,168 | 43,96 | | Apr. 10 | 36,356 | 9,63 |
| | Jul. 19 | 2,105 | 44,58 | | Jul. 19 | 36,401 | 8,92 |
| | Oct. 27 | 2,049 | 45,25 | | Oct. 27 | 36,439 | 8,18 |
| | Dec. 66 | 2,001 | 45,97 | | Dec. 66 | 36,468 | 7,40 |
| 1777 | Jan. 0 | 5 43 5,260 | + 7 20 47,20 | 1787 | Jan. 0 | 5 43 39,704 | + 7 21 9,09 |
| | Apr. 10 | 5,218 | 47,94 | | Apr. 10 | 39,727 | 8,30 |
| | Jul. 19 | 5,185 | 48,70 | | Jul. 19 | 39,742 | 7,49 |
| | Oct. 27 | 5,161 | 49,49 | | Oct. 27 | 39,747 | 6,67 |
| | Dec. 66 | 5,146 | 50,31 | | Dec. 66 | 39,744 | 5,84 |
| 1778 | Jan. 0 | 5 43 8,393 | + 7 20 51,50 | 1788 | Jan. 1 | 5 43 42,990 | + 7 21 7,54 |
| | Apr. 10 | 8,385 | 52,33 | | Apr. 10 | 42,980 | 6,71 |
| | Jul. 19 | 8,385 | 53,15 | | Jul. 19 | 42,961 | 5,89 |
| | Oct. 27 | 8,394 | 53,97 | | Oct. 27 | 42,933 | 5,09 |
| | Dec. 66 | 8,413 | 54,79 | | Dec. 66 | 42,896 | 4,30 |
| 1779 | Jan. 0 | 5 43 11,649 | + 7 20 55,98 | 1789 | Jan. 0 | 5 43 46,154 | + 7 21 5,98 |
| | Apr. 10 | 11,674 | 56,79 | | Apr. 10 | 46,111 | 5,21 |
| | Jul. 19 | 11,707 | 57,58 | | Jul. 19 | 46,060 | 4,47 |
| | Oct. 27 | 11,748 | 58,34 | | Oct. 27 | 46,001 | 3,77 |
| | Dec. 66 | 11,798 | 59,07 | | Dec. 66 | 45,934 | 3,12 |

## Tabulae X. Sect. II. *a Orionis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,349 | + 6,2 | − 1,28 | − 8,7 | +1 | −1 |
| 10 | +1,388 | + 1,6 | − 2,10 | − 7,7 | +1 | −1 |
| 20 | +1,380 | − 3,0 | − 2,82 | − 6,6 | +2 | −1 |
| 30 | +1,329 | − 7,2 | − 3,41 | − 5,4 | +2 | −1 |
| Febr. 9 | +1,236 | −11,0 | − 3,90 | − 4,3 | +3 | −1 |
| 19 | +1,110 | −14,0 | − 4,27 | − 3,1 | +3 | −1 |
| Mart. 1 | +0,957 | −16,2 | − 4,52 | − 2,1 | +3 | −1 |
| 11 | +0,787 | −17,3 | − 4,68 | − 1,1 | +3 | −1 |
| 21 | +0,611 | −17,4 | − 4,74 | − 0,1 | +3 | −1 |
| 31 | +0,439 | −16,5 | − 4,69 | + 1,0 | +3 | −1 |
| Apr. 10 | +0,282 | −14,5 | − 4,55 | + 2,0 | +3 | −1 |
| 20 | +0,149 | −11,8 | − 4,30 | + 3,1 | +3 | −1 |
| 30 | +0,046 | − 8,5 | − 3,93 | + 4,3 | +2 | −1 |
| Maj. 10 | −0,020 | − 4,6 | − 3,45 | + 5,4 | +2 | −1 |
| 20 | −0,045 | − 0,4 | − 2,85 | + 6,6 | +1 | −1 |
| 30 | −0,028 | + 3,9 | − 2,14 | + 7,7 | +1 | −1 |
| Jun. 9 | +0,032 | + 8,1 | − 1,31 | + 8,8 | +1 | −1 |
| 19 | +0,133 | +12,0 | − 0,39 | + 9,6 | 0 | −2 |
| 29 | +0,271 | +15,6 | + 0,61 | +10,2 | 0 | −2 |
| Jul. 9 | +0,445 | +18,9 | + 1,65 | +10,5 | −1 | −2 |
| 19 | +0,648 | +21,6 | + 2,71 | +10,5 | −1 | −2 |
| 29 | +0,877 | +24,2 | + 3,75 | +10,1 | −2 | −2 |
| Aug. 8 | +1,127 | +25,8 | + 4,72 | + 9,2 | −2 | −3 |
| 18 | +1,393 | +27,2 | + 5,59 | + 8,0 | −2 | −3 |
| 28 | +1,671 | +28,2 | + 6,31 | + 6,3 | −2 | −3 |
| Sept. 7 | +1,956 | +28,8 | + 6,84 | + 4,3 | −3 | −3 |
| 17 | +2,246 | +29,1 | + 7,17 | + 2,2 | −3 | −4 |
| 27 | +2,537 | +29,0 | + 7,28 | − 0,1 | −3 | −4 |
| Oct. 7 | +2,826 | +28,6 | + 7,15 | − 2,4 | −3 | −4 |
| 17 | +3,109 | +27,8 | + 6,80 | − 4,6 | −2 | −4 |
| 27 | +3,382 | +26,6 | + 6,24 | − 6,5 | −2 | −4 |
| Nov. 6 | +3,641 | +25,0 | + 5,51 | − 8,0 | −2 | −4 |
| 16 | +3,881 | +22,8 | + 4,65 | − 9,1 | −1 | −5 |
| 26 | +4,097 | +20,1 | + 3,69 | − 9,8 | −1 | −5 |
| Dec. 6 | +4,283 | +16,9 | + 2,69 | −10,0 | 0 | −5 |
| 16 | +4,435 | +13,2 | + 1,70 | − 9,8 | 0 | −5 |
| 26 | +4,546 | + 8,9 | + 0,74 | − 9,2 | +1 | −5 |
| 36 | +4,613 | + 4,4 | − 0,14 | − 8,3 | +1 | −5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 5 42 43,5176 | + 7 20 41,395 |
| 1771 | 42 46,7612 | 20 42,897 |
| 1772 | 42 50,0049 | 20 44,394 |
| 1773 | 42 53,2486 | 20 45,886 |
| 1774 | 42 56,4923 | 20 47,374 |
| 1775 | 42 59,7360 | 20 48,856 |
| 1776 | 43 2,9798 | 20 50,334 |
| 1777 | 43 6,2236 | 20 51,807 |
| 1778 | 43 9,4674 | 20 53,276 |
| 1779 | 43 12,7113 | 20 54,740 |
| 1780 | 43 15,9552 | 20 56,200 |
| 1781 | 43 19,1991 | 20 57,655 |
| 1782 | 43 22,4431 | 20 59,105 |
| 1783 | 43 25,6871 | 21 0,550 |
| 1784 | 43 28,9311 | 21 1,990 |
| 1785 | 43 32,1752 | 21 3,425 |
| 1786 | 43 35,4193 | 21 4,856 |
| 1787 | 43 38,6634 | 21 6,282 |
| 1788 | 43 41,9075 | 21 7,703 |
| 1789 | 43 45,1517 | 21 9,120 |
| 1790 | 43 48,3959 | 21 10,532 |

Diei reducto addendum est:

ante } Jun. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Canis majoris.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | h ′ ″ 6 35 1,503 | —16° 25′ 1″,19 | 1780 | Jan. 1 | h ′ ″ 6 35 26,287 | —16° 25′ 35″,54 |
| | Apr. 10 | 1,480 | 1,94 | | Apr. 10 | 26,331 | 34,91 |
| | Jul. 19 | 1,450 | 2,66 | | Jul. 19 | 26,380 | 34,34 |
| | Oct. 27 | 1,413 | 3,34 | | Oct. 27 | 26,434 | 33,83 |
| | Dec. 66 | 1,368 | 3,97 | | Dec. 66 | 26,494 | 33,37 |
| 1771 | Jan. 0 | 6 35 4,027 | —16 25 8,06 | 1781 | Jan. 0 | 6 35 29,117 | —16 25 37,85 |
| | Apr. 10 | 3,978 | 8,66 | | Apr. 10 | 29,181 | 37,43 |
| | Jul. 19 | 3,923 | 9,20 | | Jul. 19 | 29,248 | 37,08 |
| | Oct. 27 | 3,862 | 9,68 | | Oct. 27 | 29,319 | 36,80 |
| | Dec. 66 | 3,796 | 10,10 | | Dec. 66 | 29,393 | 36,59 |
| 1772 | Jan. 1 | 6 35 6,463 | —16 25 14,26 | 1782 | Jan. 0 | 6 35 32,011 | —16 25 40,99 |
| | Apr. 10 | 6,393 | 14,63 | | Apr. 10 | 32,087 | 40,82 |
| | Jul. 19 | 6,319 | 14,93 | | Jul. 19 | 32,165 | 40,73 |
| | Oct. 27 | 6,242 | 15,15 | | Oct. 27 | 32,244 | 40,71 |
| | Dec. 66 | 6,162 | 15,30 | | Dec. 66 | 32,325 | 40,76 |
| 1773 | Jan. 0 | 6 35 8,833 | —16 25 19,56 | 1783 | Jan. 0 | 6 35 34,942 | —16 25 45,08 |
| | Apr. 10 | 8,751 | 19,65 | | Apr. 10 | 35,023 | 45,18 |
| | Jul. 19 | 8,668 | 19,67 | | Jul. 19 | 35,103 | 45,35 |
| | Oct. 27 | 8,584 | 19,62 | | Oct. 27 | 35,182 | 45,59 |
| | Dec. 66 | 8,499 | 19,49 | | Dec. 66 | 35,261 | 45,90 |
| 1774 | Jan. 0 | 6 35 11,171 | —16 25 23,85 | 1784 | Jan. 1 | 6 35 37,879 | —16 25 50,14 |
| | Apr. 10 | 11,087 | 23,64 | | Apr. 10 | 37,956 | 50,49 |
| | Jul. 19 | 11,004 | 23,37 | | Jul. 19 | 38,030 | 50,91 |
| | Oct. 27 | 10,923 | 23,03 | | Oct. 27 | 38,101 | 51,39 |
| | Dec. 66 | 10,844 | 22,62 | | Dec. 66 | 38,169 | 51,93 |
| 1775 | Jan. 0 | 6 35 13,514 | —16 25 27,08 | 1785 | Jan. 0 | 6 35 40,791 | —16 25 56,09 |
| | Apr. 10 | 13,437 | 26,62 | | Apr. 10 | 40,856 | 57,67 |
| | Jul. 19 | 13,364 | 26,11 | | Jul. 19 | 40,917 | 57,29 |
| | Oct. 27 | 13,296 | 25,53 | | Oct. 27 | 40,972 | 57,96 |
| | Dec. 66 | 13,232 | 24,90 | | Dec. 66 | 41,022 | 58,67 |
| 1776 | Jan. 1 | 6 35 15,897 | —16 25 29,43 | 1786 | Jan. 0 | 6 35 43,650 | —16 26 2,78 |
| | Apr. 10 | 15,836 | 28,77 | | Apr. 10 | 43,696 | 3,52 |
| | Jul. 19 | 15,782 | 28,06 | | Jul. 19 | 43,736 | 4,28 |
| | Oct. 27 | 15,734 | 27,32 | | Oct. 27 | 43,769 | 5,06 |
| | Dec. 66 | 15,693 | 26,55 | | Dec. 66 | 43,796 | 5,87 |
| 1777 | Jan. 0 | 6 35 18,350 | —16 25 31,13 | 1787 | Jan. 0 | 6 35 46,431 | —16 26 9,96 |
| | Apr. 10 | 18,313 | 30,34 | | Apr. 10 | 46,453 | 10,77 |
| | Jul. 19 | 18,284 | 29,53 | | Jul. 19 | 46,467 | 11,59 |
| | Oct. 27 | 18,262 | 28,71 | | Oct. 27 | 46,473 | 12,41 |
| | Dec. 66 | 18,248 | 27,88 | | Dec. 66 | 46,472 | 13,23 |
| 1778 | Jan. 0 | 6 35 20,896 | —16 25 32,48 | 1788 | Jan. 1 | 6 35 49,117 | —16 26 17,31 |
| | Apr. 10 | 20,887 | 31,65 | | Apr. 10 | 49,111 | 18,12 |
| | Jul. 19 | 20,885 | 30,84 | | Jul. 19 | 49,098 | 18,90 |
| | Oct. 27 | 20,891 | 30,04 | | Oct. 27 | 49,077 | 19,66 |
| | Dec. 66 | 20,904 | 29,26 | | Dec. 66 | 49,049 | 20,39 |
| 1779 | Jan. 0 | 6 35 23,542 | —16 25 33,84 | 1789 | Jan. 0 | 6 35 51,702 | —16 26 24,51 |
| | Apr. 10 | 23,561 | 33,07 | | Apr. 10 | 51,668 | 25,22 |
| | Jul. 19 | 23,586 | 32,34 | | Jul. 19 | 51,628 | 25,88 |
| | Oct. 27 | 23,618 | 31,65 | | Oct. 27 | 51,581 | 26,48 |
| | Dec. 66 | 23,657 | 30,99 | | Dec. 66 | 51,528 | 27,04 |

## Tabulae X. Sect. II. *α Canis majoris.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,426 | + 9,0 | − 1,83 | −23,7 | 0 | +1 |
| 10 | +1,492 | + 4,2 | − 4,15 | −22,2 | +1 | +1 |
| 20 | +1,509 | − 0,8 | − 6,27 | −20,1 | +1 | +1 |
| 30 | +1,477 | − 5,5 | − 8,17 | −17,7 | +1 | 0 |
| Febr. 9 | +1,400 | − 9,7 | − 9,81 | −15,0 | +2 | 0 |
| 19 | +1,283 | −13,4 | −11,16 | −11,9 | +2 | 0 |
| Mart. 1 | +1,133 | −16,2 | −12,19 | − 8,8 | +2 | 0 |
| 11 | +0,959 | −18,2 | −12,91 | − 5,6 | +2 | −1 |
| 21 | +0,770 | −19,1 | −13,31 | − 2,5 | +3 | −1 |
| 31 | +0,577 | −19,0 | −13,40 | + 0,7 | +2 | −1 |
| Apr. 10 | +0,390 | −18,0 | −13,17 | + 3,8 | +2 | −1 |
| 20 | +0,218 | −16,1 | −12,64 | + 6,8 | +2 | −2 |
| 30 | +0,069 | −13,5 | −11,82 | + 9,6 | +2 | −2 |
| Maj. 10 | −0,051 | −10,3 | −10,72 | +12,2 | +2 | −2 |
| 20 | −0,136 | − 6,7 | − 9,38 | +14,6 | +2 | −2 |
| 30 | −0,184 | − 2,8 | − 7,81 | +16,7 | +1 | −3 |
| Jun. 9 | −0,192 | + 1,2 | − 6,04 | +18,4 | +1 | −3 |
| 19 | −0,161 | + 5,1 | − 4,14 | +19,6 | 0 | −3 |
| 29 | −0,091 | + 8,8 | − 2,12 | +20,4 | 0 | −3 |
| Jul. 9 | +0,015 | +12,4 | − 0,06 | +20,5 | 0 | −3 |
| 19 | +0,156 | +15,6 | + 1,98 | +20,0 | −1 | −3 |
| 29 | +0,327 | +18,5 | + 3,94 | +18,9 | −1 | −3 |
| Aug. 8 | +0,526 | +21,1 | + 5,75 | +17,0 | −1 | −3 |
| 18 | +0,749 | +23,3 | + 7,34 | +14,5 | −2 | −3 |
| 28 | +0,992 | +25,2 | + 8,65 | +11,4 | −2 | −3 |
| Sept. 7 | +1,253 | +26,7 | + 9,62 | + 7,7 | −2 | −3 |
| 17 | +1,526 | +27,9 | +10,19 | + 3,6 | −2 | −3 |
| 27 | +1,810 | +28,7 | +10,33 | − 0,8 | −2 | −3 |
| Oct. 7 | +2,100 | +29,1 | +10,03 | − 5,2 | −2 | −3 |
| 17 | +2,391 | +29,0 | + 9,29 | − 9,6 | −2 | −2 |
| 27 | +2,679 | +28,4 | + 8,12 | −13,7 | −2 | −2 |
| Nov. 6 | +2,958 | +27,2 | + 6,56 | −17,2 | −2 | −2 |
| 16 | +3,223 | +25,5 | + 4,68 | −20,2 | −2 | −2 |
| 26 | +3,467 | +23,0 | + 2,53 | −22,4 | −1 | −2 |
| Dec. 6 | +3,683 | +19,9 | + 0,20 | −23,8 | −1 | −2 |
| 16 | +3,864 | +16,1 | − 2,23 | −24,4 | −1 | −2 |
| 26 | +4,005 | +11,8 | − 4,68 | −24,2 | 0 | −2 |
| 36 | +4,100 | + 7,2 | − 7,06 | −23,3 | 0 | −3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 6 35 0,6303 | −16 24 57,763 |
| 1771 | 35 3,2741 | 25 2,057 |
| 1772 | 35 5,9179 | 25 6,356 |
| 1773 | 35 8,5617 | 25 10,658 |
| 1774 | 35 11,2056 | 25 14,964 |
| 1775 | 35 13,8496 | 25 19,274 |
| 1776 | 35 16,4935 | 25 23,588 |
| 1777 | 35 19,1373 | 25 27,905 |
| 1778 | 35 21,7812 | 25 32,226 |
| 1779 | 35 24,4250 | 25 36,551 |
| 1780 | 35 27,0689 | 25 40,880 |
| 1781 | 35 29,7128 | 25 45,213 |
| 1782 | 35 32,3567 | 25 49,549 |
| 1783 | 35 35,0006 | 25 53,890 |
| 1784 | 35 37,6445 | 25 58,234 |
| 1785 | 35 40,2884 | 26 2,581 |
| 1786 | 35 42,9323 | 26 6,933 |
| 1787 | 35 45,5762 | 26 11,288 |
| 1788 | 35 48,2201 | 26 15,648 |
| 1789 | 35 50,8641 | 26 20,011 |
| 1790 | 35 53,5080 | 26 24,378 |

Diei reducto addendum est:

ante } Jun. 29 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Geminorum.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 7 19 54,508 | +32 22 9,46 |
| | Apr. 10 | 54,460 | 8,78 |
| | Jul. 19 | 54,402 | 8,15 |
| | Oct. 27 | 54,334 | 7,57 |
| | Dec. 66 | 54,257 | 7,03 |
| 1771 | Jan. 0 | 7 19 58,133 | +32 22 0,27 |
| | Apr. 10 | 58,050 | 21 59,77 |
| | Jul. 19 | 57,959 | 59,34 |
| | Oct. 27 | 57,861 | 58,98 |
| | Dec. 66 | 57,756 | 58,68 |
| 1772 | Jan. 1 | 7 20 1,642 | +32 21 51,84 |
| | Apr. 10 | 1,533 | 51,59 |
| | Jul. 19 | 1,420 | 51,42 |
| | Oct. 27 | 1,303 | 51,32 |
| | Dec. 66 | 1,183 | 51,30 |
| 1773 | Jan. 0 | 7 20 5,073 | +32 21 44,36 |
| | Apr. 10 | 4,951 | 44,39 |
| | Jul. 19 | 4,829 | 44,50 |
| | Oct. 27 | 4,707 | 44,68 |
| | Dec. 66 | 4,586 | 44,94 |
| 1774 | Jan. 0 | 7 20 8,476 | +32 21 37,90 |
| | Apr. 10 | 8,356 | 38,21 |
| | Jul. 19 | 8,240 | 38,58 |
| | Oct. 27 | 8,128 | 39,02 |
| | Dec. 66 | 8,020 | 39,53 |
| 1775 | Jan. 0 | 7 20 11,904 | +32 21 32,40 |
| | Apr. 10 | 11,800 | 32,95 |
| | Jul. 19 | 11,704 | 33,54 |
| | Oct. 27 | 11,615 | 34,19 |
| | Dec. 66 | 11,534 | 34,88 |
| 1776 | Jan. 1 | 7 20 15,409 | +32 21 27,69 |
| | Apr. 10 | 15,334 | 28,41 |
| | Jul. 19 | 15,268 | 29,15 |
| | Oct. 27 | 15,213 | 29,92 |
| | Dec. 66 | 15,167 | 30,72 |
| 1777 | Jan. 0 | 7 20 19,030 | +32 21 23,49 |
| | Apr. 10 | 18,991 | 24,29 |
| | Jul. 19 | 18,964 | 25,09 |
| | Oct. 27 | 18,947 | 25,90 |
| | Dec. 66 | 18,942 | 26,71 |
| 1778 | Jan. 0 | 7 20 22,791 | +32 21 19,47 |
| | Apr. 10 | 22,793 | 20,27 |
| | Jul. 19 | 22,806 | 21,04 |
| | Oct. 27 | 22,830 | 21,79 |
| | Dec. 66 | 22,864 | 22,51 |
| 1779 | Jan. 0 | 7 20 26,701 | +32 21 15,30 |
| | Apr. 10 | 26,742 | 16,00 |
| | Jul. 19 | 26,793 | 16,65 |
| | Oct. 27 | 26,854 | 17,26 |
| | Dec. 66 | 26,924 | 17,83 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1780 | Jan. 1 | 7 20 30,748 | +32 21 10,67 |
| | Apr. 10 | 30,823 | 11,19 |
| | Jul. 19 | 30,906 | 11,66 |
| | Oct. 27 | 30,995 | 12,06 |
| | Dec. 66 | 31,092 | 12,41 |
| 1781 | Jan. 0 | 7 20 34,908 | +32 21 5,32 |
| | Apr. 10 | 35,008 | 5,62 |
| | Jnl. 19 | 35,113 | 5,85 |
| | Oct. 27 | 35,222 | 6,01 |
| | Dec. 66 | 35,334 | 6,10 |
| 1782 | Jan. 0 | 7 20 39,145 | +32 20 59,09 |
| | Apr. 10 | 39,260 | 59,13 |
| | Jul. 19 | 39,375 | 59,11 |
| | Oct. 27 | 39,491 | 59,01 |
| | Dec. 66 | 39,608 | 58,84 |
| 1783 | Jan. 0 | 7 20 43,417 | +32 20 51,91 |
| | Apr. 10 | 43,533 | 51,69 |
| | Jul. 19 | 43,647 | 51,41 |
| | Oct. 27 | 43,758 | 51,07 |
| | Dec. 66 | 43,867 | 50,66 |
| 1784 | Jan. 1 | 7 20 47,680 | +32 20 43,80 |
| | Apr. 10 | 47,786 | 43,35 |
| | Jul. 19 | 47,886 | 42,84 |
| | Oct. 27 | 47,981 | 42,28 |
| | Dec. 66 | 48,070 | 41,67 |
| 1785 | Jan. 0 | 7 20 51,889 | +32 20 34,88 |
| | Apr. 10 | 51,974 | 34,24 |
| | Jul. 19 | 52,050 | 33,56 |
| | Oct. 27 | 52,118 | 32,85 |
| | Dec. 66 | 52,178 | 32,10 |
| 1786 | Jan. 0 | 7 20 56,007 | +32 20 25,34 |
| | Apr. 10 | 56,060 | 24,58 |
| | Jul. 19 | 56,104 | 23,80 |
| | Oct. 27 | 56,137 | 23,01 |
| | Dec. 66 | 56,160 | 22,20 |
| 1787 | Jan. 0 | 7 21 0,001 | +32 20 15,46 |
| | Apr. 10 | 0,017 | 14,65 |
| | Jul. 19 | 0,022 | 13,86 |
| | Oct. 27 | 0,016 | 13,07 |
| | Dec. 66 | 20 59,999 | 12,30 |
| 1788 | Jan. 1 | 7 21 3,854 | +32 20 5,54 |
| | Apr. 10 | 3,829 | 4,79 |
| | Jul. 19 | 3,794 | 4,07 |
| | Oct. 27 | 3,749 | 3,39 |
| | Dec. 66 | 3,693 | 2,74 |
| 1789 | Jan. 0 | 7 21 7,560 | +32 19 55,92 |
| | Apr. 10 | 7,498 | 55,31 |
| | Jul. 19 | 7,426 | 54,75 |
| | Oct. 27 | 7,345 | 54,25 |
| | Dec. 66 | 7,255 | 53,80 |

## Tabulae X. Sect. II. *α Geminorum.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,584 | +18,4 | − 3,82 | + 3,6 | −1 | −3 |
| 10 | +1,742 | +12,9 | − 3,38 | + 4,7 | −1 | −3 |
| 20 | +1,842 | + 7,1 | − 2,78 | + 6,6 | 0 | −3 |
| 30 | +1,884 | + 1,3 | − 2,07 | + 7,4 | +1 | −4 |
| Febr. 9 | +1,867 | − 4,4 | − 1,30 | + 7,9 | +1 | −4 |
| 19 | +1,797 | − 9,3 | − 0,50 | + 7,9 | +2 | −4 |
| Mart. 1 | +1,681 | −13,6 | + 0,27 | + 7,4 | +3 | −3 |
| 11 | +1,526 | −16,8 | + 0,97 | + 6,4 | +3 | −3 |
| 21 | +1,346 | −18,7 | + 1,55 | + 5,1 | +3 | −3 |
| 31 | +1,152 | −19,6 | + 1,99 | + 3,6 | +4 | −2 |
| Apr. 10 | +0,955 | −19,2 | + 2,27 | + 2,0 | +4 | −2 |
| 20 | +0,768 | −17,8 | + 2,38 | + 0,3 | +4 | −2 |
| 30 | +0,600 | −15,4 | + 2,32 | − 1,4 | +4 | −1 |
| Maj. 10 | +0,461 | −12,2 | + 2,11 | − 2,8 | +3 | −1 |
| 20 | +0,356 | − 8,5 | + 1,76 | − 4,1 | +3 | −1 |
| 30 | +0,291 | − 4,4 | + 1,29 | − 5,2 | +3 | 0 |
| Jun. 9 | +0,269 | − 0,1 | + 0,73 | − 6,0 | +2 | 0 |
| 19 | +0,290 | + 4,2 | + 0,10 | − 6,5 | +1 | 0 |
| 29 | +0,353 | + 8,4 | − 0,57 | − 6,9 | +1 | 0 |
| Jul. 9 | +0,457 | +12,4 | − 1,28 | − 7,2 | 0 | 0 |
| 19 | +0,600 | +16,1 | − 2,01 | − 7,4 | −1 | 0 |
| 29 | +0,778 | +19,4 | − 2,75 | − 7,4 | −1 | 0 |
| Aug. 8 | +0,988 | +22,4 | − 3,49 | − 7,5 | −2 | 0 |
| 18 | +1,226 | +25,1 | − 4,24 | − 7,6 | −3 | −1 |
| 28 | +1,490 | +27,5 | − 5,00 | − 7,6 | −3 | −1 |
| Sept. 7 | +1,776 | +29,6 | − 5,76 | − 7,6 | −4 | −1 |
| 17 | +2,082 | +31,5 | − 6,52 | − 7,7 | −4 | −2 |
| 27 | +2,405 | +33,0 | − 7,29 | − 7,6 | −5 | −2 |
| Oct. 7 | +2,742 | +34,3 | − 8,04 | − 7,4 | −5 | −3 |
| 17 | +3,090 | +35,1 | − 8,77 | − 7,1 | −5 | −4 |
| 27 | +3,443 | +35,4 | − 9,45 | − 6,4 | −5 | −4 |
| Nov. 6 | +3,797 | +35,1 | −10,05 | − 5,5 | −5 | −5 |
| 16 | +4,145 | +34,1 | −10,55 | − 4,4 | −5 | −6 |
| 26 | +4,478 | +32,2 | −10,92 | − 2,9 | −5 | −6 |
| Dec. 6 | +4,789 | +29,6 | −11,12 | − 1,2 | −4 | −7 |
| 16 | +5,069 | +26,0 | −11,15 | + 0,6 | −4 | −7 |
| 26 | +5,308 | +21,5 | −11,00 | + 2,5 | −3 | −8 |
| 36 | +5,498 | +16,4 | −10,66 | + 4,2 | −2 | −8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 7 19 53,2965 | +32 22 13,988 |
| 1771 | 19 57,1463 | 22 7,058 |
| 1772 | 20 0,9959 | 22 0,123 |
| 1773 | 20 4,8454 | 21 53,183 |
| 1774 | 20 8,6948 | 21 46,238 |
| 1775 | 20 12,5441 | 21 39,287 |
| 1776 | 20 16,3932 | 21 32,331 |
| 1777 | 20 20,2422 | 21 25,370 |
| 1778 | 20 24,0911 | 21 18,403 |
| 1779 | 20 27,9399 | 21 11,431 |
| 1780 | 20 31,7885 | 21 4,454 |
| 1781 | 20 35,6370 | 20 57,472 |
| 1782 | 20 39,4854 | 20 50,484 |
| 1783 | 20 43,3337 | 20 43,491 |
| 1784 | 20 47,1818 | 20 36,493 |
| 1785 | 20 51,0299 | 20 29,490 |
| 1786 | 20 54,8778 | 20 22,481 |
| 1787 | 20 58,7256 | 20 15,467 |
| 1788 | 21 2,5733 | 20 8,448 |
| 1789 | 21 6,4208 | 20 1,424 |
| 1790 | 21 10,2681 | 19 54,394 |

Diei reducto addendum est:

ante } Jul. 11 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Canis minoris.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | h ′ ″ 7 27 16,047 | + ° ′ ″ 5 47 47,20 | 1780 | Jan. 1 | h ′ ″ 7 27 45,610 | + ° ′ ″ 5 46 32,75 |
| | Apr. 10 | 16,015 | 46,53 | | Apr. 10 | 45,666 | 33,26 |
| | Jul. 19 | 15,974 | 45,91 | | Jul. 19 | 45,728 | 33,70 |
| | Oct. 27 | 15,925 | 45,35 | | Oct. 27 | 45,797 | 34,09 |
| | Dec. 66 | 15,867 | 44,83 | | Dec. 66 | 45,872 | 34,41 |
| 1771 | Jan. 0 | 7 27 19,037 | + 5 47 36,47 | 1781 | Jan. 0 | 7 27 48,995 | + 5 46 25,74 |
| | Apr. 10 | 18,974 | 35,99 | | Apr. 10 | 49,073 | 26,02 |
| | Jul. 19 | 18,905 | 35,58 | | Jul. 19 | 49,156 | 26,23 |
| | Oct. 27 | 18,830 | 35,24 | | Oct. 27 | 49,242 | 26,37 |
| | Dec. 66 | 18,747 | 34,96 | | Dec. 66 | 49,332 | 26,45 |
| 1772 | Jan. 1 | 7 27 21,925 | + 5 47 26,51 | 1782 | Jan. 0 | 7 27 52,451 | + 5 46 17,86 |
| | Apr. 10 | 21,839 | 26,28 | | Apr. 10 | 52,543 | 17,88 |
| | Jul. 19 | 21,749 | 26,13 | | Jul. 19 | 52,637 | 17,83 |
| | Oct. 27 | 21,655 | 26,06 | | Oct. 27 | 52,732 | 17,71 |
| | Dec. 66 | 21,558 | 26,06 | | Dec. 66 | 52,828 | 17,51 |
| 1773 | Jan. 0 | 7 27 24,740 | + 5 47 17,51 | 1783 | Jan. 0 | 7 27 55,945 | + 5 46 9,00 |
| | Apr. 10 | 24,641 | 17,56 | | Apr. 10 | 56,041 | 8,78 |
| | Jul. 19 | 24,542 | 17,69 | | Jul. 19 | 56,136 | 8,49 |
| | Oct. 27 | 24,441 | 17,89 | | Oct. 27 | 56,230 | 8,13 |
| | Dec. 66 | 24,340 | 18,17 | | Dec. 66 | 56,322 | 7,70 |
| 1774 | Jan. 0 | 7 27 27,523 | + 5 47 9,53 | 1784 | Jan. 1 | 7 27 59,440 | + 5 45 59,27 |
| | Apr. 10 | 27,423 | 9,86 | | Apr. 10 | 59,531 | 58,80 |
| | Jul. 19 | 27,325 | 10,25 | | Jul. 19 | 59,617 | 58,29 |
| | Oct. 27 | 27,230 | 10,70 | | Oct. 27 | 59,699 | 57,72 |
| | Dec. 66 | 27,138 | 11,22 | | Dec. 66 | 59,777 | 57,10 |
| 1775 | Jan. 0 | 7 27 30,318 | + 5 47 2,50 | 1785 | Jan. 0 | 7 28 2,900 | + 5 45 48,72 |
| | Apr. 10 | 30,228 | 3,06 | | Apr. 10 | 2,975 | 48,07 |
| | Jul. 19 | 30,144 | 3,66 | | Jul. 19 | 3,044 | 47,38 |
| | Oct. 27 | 30,066 | 4,31 | | Oct. 27 | 3,206 | 46,66 |
| | Dec. 66 | 29,993 | 5,01 | | Dec. 66 | 3,161 | 45,91 |
| 1776 | Jan. 1 | 7 27 33,166 | + 5 46 56,23 | 1786 | Jan. 0 | 7 28 6,292 | + 5 45 37,58 |
| | Apr. 10 | 33,098 | 56,95 | | Apr. 10 | 6,343 | 36,81 |
| | Jul. 19 | 33,037 | 57,70 | | Jul. 19 | 6,385 | 36,03 |
| | Oct. 27 | 32,985 | 58,47 | | Oct. 27 | 6,420 | 35,24 |
| | Dec. 66 | 32,940 | 59,27 | | Dec. 66 | 6,447 | 34,44 |
| 1777 | Jan. 0 | 7 27 36,103 | + 5 46 50,45 | 1787 | Jan. 0 | 7 28 9,588 | + 5 45 26,11 |
| | Apr. 10 | 36,064 | 51,25 | | Apr. 10 | 9,609 | 25,31 |
| | Jul. 19 | 36,034 | 52,05 | | Jul. 19 | 9,621 | 24,53 |
| | Oct. 27 | 36,013 | 52,85 | | Oct. 27 | 9,623 | 23,75 |
| | Dec. 66 | 36,000 | 53,65 | | Dec. 66 | 9,617 | 22,99 |
| 1778 | Jan. 0 | 7 27 39,152 | + 5 46 44,83 | 1788 | Jan. 1 | 7 28 12,769 | + 5 45 14,64 |
| | Apr. 10 | 39,146 | 45,62 | | Apr. 10 | 12,757 | 13,90 |
| | Jul. 19 | 39,149 | 46,38 | | Jul. 19 | 12,736 | 13,19 |
| | Oct. 27 | 39,161 | 47,11 | | Oct. 27 | 12,706 | 12,52 |
| | Dec. 66 | 39,182 | 47,82 | | Dec. 66 | 12,667 | 11,89 |
| 1779 | Jan. 0 | 7 27 42,323 | + 5 46 39,03 | 1789 | Jan. 0 | 7 28 15,829 | + 5 45 3,49 |
| | Apr. 10 | 42,350 | 39,72 | | Apr. 10 | 15,784 | 2,89 |
| | Jul. 19 | 42,385 | 40,35 | | Jul. 19 | 15,732 | 2,35 |
| | Oct. 27 | 42,428 | 40,94 | | Oct. 27 | 15,671 | 1,87 |
| | Dec. 66 | 42,479 | 41,49 | | Dec. 66 | 15,603 | 1,44 |

## Tabulae X. Sect. II. *a Canis minoris.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,341 | +15,8 | − 2,36 | −13,1 | −1 | 0 | 1770 | 7 27 15,0219 | + 5 47 51,888 |
| 10 | +1,477 | +11,2 | − 3,60 | −11,7 | 0 | 0 | 1771 | 27 18,1713 | 47 43,360 |
| 20 | +1,564 | + 6,2 | − 4,69 | −10,1 | 0 | −1 | 1772 | 27 21,3206 | 47 34,828 |
| 30 | +1,601 | + 1,2 | − 5,61 | − 8,3 | +1 | −1 | 1773 | 27 24,4699 | 47 26,292 |
| Febr. 9 | +1,588 | − 3,6 | − 6,34 | − 6,5 | +1 | −1 | 1774 | 27 27,6191 | 47 17,751 |
| | | | | | | | 1775 | 27 30,7683 | 47 9,206 |
| 19 | +1,530 | − 7,8 | − 6,90 | − 4,7 | +2 | −1 | 1776 | 27 33,9174 | 47 0,657 |
| Mart. 1 | +1,432 | −11,5 | − 7,28 | − 3,1 | +2 | −2 | 1777 | 27 37,0665 | 46 52,104 |
| 11 | +1,301 | −14,2 | − 7,52 | − 1,7 | +2 | −2 | 1778 | 27 40,2156 | 46 43,547 |
| 21 | +1,149 | −15,9 | − 7,61 | − 0,4 | +3 | −2 | 1779 | 27 43,3646 | 46 34,985 |
| 31 | +0,983 | −16,7 | − 7,59 | + 0,8 | +3 | −2 | 1780 | 27 46,5136 | 46 26,418 |
| | | | | | | | 1781 | 27 49,6625 | 46 17,848 |
| Apr. 10 | +0,816 | −16,4 | − 7,45 | + 1,9 | +3 | −2 | 1782 | 27 52,8114 | 46 9,274 |
| 20 | +0,655 | −15,3 | − 7,22 | + 2,8 | +3 | −2 | 1783 | 27 55,9603 | 46 0,696 |
| 30 | +0,510 | −13,4 | − 6,89 | + 3,8 | +3 | −2 | 1784 | 27 59,1091 | 45 52,113 |
| Maj. 10 | +0,388 | −10,8 | − 6,47 | + 4,6 | +2 | −2 | 1785 | 28 2,2578 | 45 43,525 |
| 20 | +0,294 | − 7,8 | − 5,97 | + 5,4 | +2 | −2 | 1786 | 28 5,4065 | 45 34,934 |
| | | | | | | | 1787 | 28 8,5552 | 45 26,338 |
| 30 | +0,233 | − 4,4 | − 5,40 | + 6,1 | +2 | −2 | 1788 | 28 11,7038 | 45 17,738 |
| Jun. 9 | +0,206 | − 1,0 | − 4,75 | + 6,8 | +1 | −2 | 1789 | 28 14,8524 | 45 9,134 |
| 19 | +0,214 | + 2,6 | − 4,04 | + 7,3 | +1 | −2 | 1790 | 28 18,0010 | 45 0,527 |
| 29 | +0,258 | + 6,1 | − 3,30 | + 7,6 | +1 | −2 | | | |
| Jul. 9 | +0,335 | + 9,4 | − 2,52 | + 7,7 | 0 | −2 | | | |
| 19 | +0,445 | +12,5 | − 1,76 | + 7,5 | 0 | −2 | | | |
| 29 | +0,584 | +15,3 | − 1,03 | + 6,9 | −1 | −2 | | | |
| Aug. 8 | +0,750 | +17,9 | − 0,38 | + 6,0 | −1 | −2 | | | |
| 18 | +0,942 | +20,3 | + 0,16 | + 4,7 | −2 | −2 | | | |
| 28 | +1,156 | +22,4 | + 0,55 | + 3,0 | −2 | −2 | | | |
| Sept. 7 | +1,390 | +24,4 | + 0,76 | + 1,0 | −2 | −2 | | | |
| 17 | +1,643 | +26,1 | + 0,74 | − 1,4 | −3 | −2 | | | |
| 27 | +1,912 | +27,6 | + 0,49 | − 3,7 | −3 | −2 | | | |
| Oct. 7 | +2,194 | +28,8 | 0,00 | − 6,2 | −3 | −2 | | | |
| 17 | +2,487 | +29,7 | − 0,75 | − 8,6 | −3 | −3 | | | |
| 27 | +2,787 | +30,1 | − 1,72 | −10,7 | −3 | −3 | | | |
| Nov. 6 | +3,088 | +29,9 | − 2,89 | −12,5 | −3 | −3 | | | |
| 16 | +3,384 | +29,1 | − 4,22 | −13,9 | −3 | −3 | | | |
| 26 | +3,670 | +27,7 | − 5,66 | −14,7 | −3 | −3 | | | |
| Dec. 6 | +3,937 | +25,4 | − 7,15 | −15,0 | −2 | −4 | | | |
| 16 | +4,177 | +22,3 | − 8,65 | −14,7 | −2 | −4 | | | |
| 26 | +4,382 | +18,5 | −10,08 | −13,8 | −2 | −4 | | | |
| 36 | +4,546 | +14,1 | −11,41 | −12,6 | −1 | −5 | | | |

Diei reducto addendum est:

ante } Jul. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. β *Geminorum.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 7 31 13,954 | +28 33 38,96 | 1780 | Jan. 1 | 7 31 48,687 | +28 32 31,47 |
| | Apr. 10 | 13,907 | 38,30 | | Apr. 10 | 48,761 | 31,97 |
| | Jul. 19 | 13,851 | 37,69 | | Jul. 19 | 48,841 | 32,41 |
| | Oct. 27 | 13,786 | 37,13 | | Oct. 27 | 48,928 | 32,78 |
| | Dec. 66 | 13,711 | 36,62 | | Dec. 66 | 49,021 | 33,10 |
| 1771 | Jan. 0 | 7 31 17,428 | +28 33 28,94 | 1781 | Jan. 0 | 7 31 52,679 | +28 32 25,10 |
| | Apr. 10 | 17,348 | 28,48 | | Apr. 10 | 52,777 | 25,37 |
| | Jul. 19 | 17,260 | 28,08 | | Jul. 19 | 52,878 | 25,57 |
| | Oct. 27 | 17,165 | 27,75 | | Oct. 27 | 52,983 | 25,70 |
| | Dec. 66 | 17,063 | 27,48 | | Dec. 66 | 53,092 | 25,76 |
| 1772 | Jan. 1 | 7 31 20,790 | +28 33 19,71 | 1782 | Jan. 0 | 7 31 56,746 | +28 32 17,85 |
| | Apr. 10 | 20,684 | 19,50 | | Apr. 10 | 56,857 | 17,86 |
| | Jul. 19 | 20,575 | 19,36 | | Jul. 19 | 56,968 | 17,81 |
| | Oct. 27 | 20,462 | 19,30 | | Oct. 27 | 57,081 | 17,68 |
| | Dec. 66 | 20,345 | 19,31 | | Dec. 66 | 57,194 | 17,48 |
| 1773 | Jan. 0 | 7 31 24,076 | +28 33 11,44 | 1783 | Jan. 0 | 7 32 0,846 | +28 32 9,66 |
| | Apr. 10 | 23,958 | 11,50 | | Apr. 10 | 0,959 | 9,42 |
| | Jul. 19 | 23,840 | 11,64 | | Jul. 19 | 1,069 | 9,11 |
| | Oct. 27 | 23,722 | 11,85 | | Oct. 27 | 1,177 | 8,74 |
| | Dec. 66 | 23,605 | 12,14 | | Dec. 66 | 1,282 | 8,30 |
| 1774 | Jan. 0 | 7 31 27,336 | +28 33 4,18 | 1784 | Jan. 1 | 7 32 4,937 | +28 32 0,54 |
| | Apr. 10 | 27,220 | 4,51 | | Apr. 10 | 5,040 | 0,07 |
| | Jul. 19 | 27,107 | 4,91 | | Jul. 19 | 5,137 | 31 59,55 |
| | Oct. 27 | 26,998 | 5,37 | | Oct. 27 | 5,229 | 58,97 |
| | Dec. 66 | 26,894 | 5,90 | | Dec. 66 | 5,315 | 58,34 |
| 1775 | Jan. 0 | 7 31 30,620 | +28 32 57,86 | 1785 | Jan. 0 | 7 32 8,977 | +28 31 50,65 |
| | Apr. 10 | 30,519 | 58,42 | | Apr. 10 | 9,059 | 49,99 |
| | Jul. 19 | 30,426 | 59,03 | | Jul. 19 | 9,133 | 49,30 |
| | Oct. 27 | 30,340 | 59,69 | | Oct. 27 | 9,198 | 48,58 |
| | Dec. 66 | 30,261 | 33 0,39 | | Dec. 66 | 9,256 | 47,83 |
| 1776 | Jan. 1 | 7 31 33,978 | +28 32 52,29 | 1786 | Jan. 0 | 7 32 12,928 | +28 31 40,17 |
| | Apr. 10 | 33,905 | 53,00 | | Apr. 10 | 12,978 | 39,40 |
| | Jul. 19 | 33,841 | 53,74 | | Jul. 19 | 13,021 | 38,62 |
| | Oct. 27 | 33,788 | 54,52 | | Oct. 27 | 13,053 | 37,83 |
| | Dec. 66 | 33,744 | 55,33 | | Dec. 66 | 13,076 | 37,03 |
| 1777 | Jan. 0 | 7 31 37,448 | +28 32 47,19 | 1787 | Jan. 0 | 7 32 16,759 | +28 31 29,38 |
| | Apr. 10 | 37,411 | 47,99 | | Apr. 10 | 16,774 | 28,57 |
| | Jul. 19 | 37,384 | 48,79 | | Jul. 19 | 16,779 | 27,79 |
| | Oct. 27 | 37,368 | 49,59 | | Oct. 27 | 16,773 | 27,02 |
| | Dec. 66 | 37,363 | 50,39 | | Dec. 66 | 16,757 | 26,28 |
| 1778 | Jan. 0 | 7 31 41,055 | +28 32 42,24 | 1788 | Jan. 1 | 7 32 20,453 | +28 31 18,60 |
| | Apr. 10 | 41,057 | 43,02 | | Apr. 10 | 20,430 | 17,86 |
| | Jul. 19 | 41,069 | 43,78 | | Jul. 19 | 20,396 | 17,16 |
| | Oct. 27 | 41,092 | 44,51 | | Oct. 27 | 20,353 | 16,50 |
| | Dec. 66 | 41,126 | 45,22 | | Dec. 66 | 20,297 | 15,88 |
| 1779 | Jan. 0 | 7 31 44,804 | +28 32 37,11 | 1789 | Jan. 0 | 7 32 24,006 | +28 31 8,15 |
| | Apr. 10 | 44,844 | 37,78 | | Apr. 10 | 23,945 | 7,56 |
| | Jul. 19 | 44,894 | 38,41 | | Jul. 19 | 23,876 | 7,03 |
| | Oct. 27 | 44,952 | 38,99 | | Oct. 27 | 23,797 | 6,56 |
| | Dec. 66 | 45,020 | 39,53 | | Dec. 66 | 23,710 | 6,14 |

## Tabulae X. Sect. II. β *Geminorum.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | ′ | | |
| Jan. 0 | +1,507 | +18,9 | — 4,10 | + 0,8 | —1 | —2 |
| 10 | +1,671 | +13,7 | — 3,93 | + 2,5 | —1 | —3 |
| 20 | +1,780 | + 8,1 | — 3,60 | + 4,0 | 0 | —3 |
| 30 | +1,832 | + 2,4 | — 3,13 | + 5,3 | +1 | —3 |
| Febr. 9 | +1,827 | — 3,1 | — 2,55 | + 6,1 | +1 | —3 |
| 19 | +1,770 | — 8,0 | — 1,91 | + 6,5 | +2 | —3 |
| Mart. 1 | +1,667 | —12,3 | — 1,26 | + 6,4 | +2 | —3 |
| 11 | +1,525 | —15,5 | — 0,64 | + 5,9 | +3 | —3 |
| 21 | +1,357 | —17,6 | — 0,09 | + 5,0 | +3 | —3 |
| 31 | +1,174 | —18,6 | + 0,36 | + 4,0 | +3 | —2 |
| Apr. 10 | +0,986 | —18,5 | + 0,70 | + 2,7 | +4 | —2 |
| 20 | +0,805 | —17,3 | + 0,89 | + 1,3 | +4 | —2 |
| 30 | +0,641 | —15,2 | + 0,96 | + 0,1 | +3 | —1 |
| Maj. 10 | +0,502 | —12,3 | + 0,90 | — 1,2 | +3 | —1 |
| 20 | +0,396 | — 8,8 | + 0,73 | — 2,3 | +3 | —1 |
| 30 | +0,326 | — 5,1 | + 0,44 | — 3,2 | +2 | —1 |
| Jun. 9 | +0,295 | — 1,1 | + 0,09 | — 3,9 | +2 | 0 |
| 19 | +0,305 | + 3,0 | — 0,34 | — 4,5 | +1 | 0 |
| 29 | +0,355 | + 7,0 | — 0,81 | — 4,9 | +1 | 0 |
| Jul. 9 | +0,444 | +10,7 | — 1,32 | — 5,3 | 0 | 0 |
| 19 | +0,569 | +14,2 | — 1,86 | — 5,6 | 0 | 0 |
| 29 | +0,728 | +17,5 | — 2,43 | — 5,8 | —1 | 0 |
| Aug. 8 | +0,918 | +20,5 | — 3,02 | — 6,1 | —2 | 0 |
| 18 | +1,137 | +23,1 | — 3,65 | — 6,5 | —2 | —1 |
| 28 | +1,380 | +25,5 | — 4,31 | — 6,8 | —3 | —1 |
| Sept. 7 | +1,647 | +27,7 | — 5,01 | — 7,2 | —3 | —1 |
| 17 | +1,934 | +29,6 | — 5,75 | — 7,7 | —4 | —2 |
| 27 | +2,239 | +31,3 | — 6,54 | — 8,0 | —4 | —2 |
| Oct. 7 | +2,560 | +32,7 | — 7,35 | — 8,2 | —5 | —3 |
| 17 | +2,892 | +33,6 | — 8,18 | — 8,2 | —5 | —3 |
| 27 | +3,232 | +34,2 | — 8,99 | — 8,0 | —5 | —4 |
| Nov. 6 | +3,575 | +34,2 | — 9,77 | — 7,5 | —5 | —4 |
| 16 | +3,915 | +33,4 | —10,49 | — 6,6 | —5 | —5 |
| 26 | +4,242 | +31,8 | —11,09 | — 5,4 | —4 | —5 |
| Dec. 6 | +4,550 | +29,4 | —11,57 | — 4,0 | —4 | —6 |
| 16 | +4,829 | +26,0 | —11,88 | — 2,2 | —4 | —7 |
| 26 | +5,070 | +21,8 | —12,01 | — 0,4 | —3 | —7 |
| 36 | +5,265 | +17,0 | —11,95 | + 1,5 | —2 | —7 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 7 31 12,7822 | +28 33 43,735 |
| 1771 | 31 16,4739 | 33 35,891 |
| 1772 | 31 20,1655 | 33 28,043 |
| 1773 | 31 23,8570 | 33 20,190 |
| 1774 | 31 27,5483 | 33 12,332 |
| 1775 | 31 31,2395 | 33 4,468 |
| 1776 | 31 34,9306 | 32 56,600 |
| 1777 | 31 38,6216 | 32 48,727 |
| 1778 | 31 42,3125 | 32 40,849 |
| 1779 | 31 46,0032 | 32 32,966 |
| 1780 | 31 49,6938 | 32 25,078 |
| 1781 | 31 53,3843 | 32 17,185 |
| 1782 | 31 57,0747 | 32 9,287 |
| 1783 | 32 0,7649 | 32 1,385 |
| 1784 | 32 4,4550 | 31 53,478 |
| 1785 | 32 8,1450 | 31 45,565 |
| 1786 | 32 11,8349 | 31 37,648 |
| 1787 | 32 15,5247 | 31 29,726 |
| 1788 | 32 19,2143 | 31 21,799 |
| 1789 | 32 22,9038 | 31 13,867 |
| 1790 | 32 26,5932 | 31 5,930 |

Diei reducto addendum est:

ante / post } Jul. 13 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Hydrae.*

| | | | |
|---|---|---|---|
| 1770 | Jan. 0 | 9 16 17,995 | − 7 40 27,94 |
| | Apr. 10 | 17,972 | 28,31 |
| | Jul. 19 | 17,941 | 28,63 |
| | Oct. 27 | 17,902 | 28,88 |
| | Dec. 66 | 17,856 | 29,07 |
| 1771 | Jan. 0 | 9 16 20,820 | − 7 40 44,15 |
| | Apr. 10 | 20,768 | 44,30 |
| | Jul. 19 | 20,710 | 44,38 |
| | Oct. 27 | 20,645 | 44,39 |
| | Dec. 66 | 20,574 | 44,34 |
| 1772 | Jan. 1 | 9 16 23,547 | − 7 40 59,51 |
| | Apr. 10 | 23,472 | 59,41 |
| | Jul. 19 | 23,392 | 59,24 |
| | Oct. 27 | 23,309 | 59,01 |
| | Dec. 66 | 23,221 | 58,71 |
| 1773 | Jan. 0 | 9 16 26,199 | − 7 41 13,95 |
| | Apr. 10 | 26,109 | 13,61 |
| | Jul. 19 | 26,018 | 13,22 |
| | Oct. 27 | 25,926 | 12,77 |
| | Dec. 66 | 25,832 | 12,26 |
| 1774 | Jan. 0 | 9 16 28,811 | − 7 41 27,58 |
| | Apr. 10 | 28,718 | 27,04 |
| | Jul. 19 | 28,626 | 26,46 |
| | Oct. 27 | 28,536 | 25,85 |
| | Dec. 66 | 28,448 | 25,19 |
| 1775 | Jan. 0 | 9 16 31,425 | − 7 41 40,56 |
| | Apr. 10 | 31,339 | 39,89 |
| | Jul. 19 | 31,257 | 39,20 |
| | Oct. 27 | 31,180 | 38,49 |
| | Dec. 66 | 31,108 | 37,77 |
| 1776 | Jan. 1 | 9 16 34,080 | − 7 41 53,16 |
| | Apr. 10 | 34,012 | 52,44 |
| | Jul. 19 | 33,950 | 51,72 |
| | Oct. 27 | 33,895 | 51,01 |
| | Dec. 66 | 33,847 | 50,30 |
| 1777 | Jan. 0 | 9 16 36,810 | − 7 42 5,69 |
| | Apr. 10 | 36,767 | 5,00 |
| | Jul. 19 | 36,732 | 4,33 |
| | Oct. 27 | 36,705 | 3,70 |
| | Dec. 66 | 36,686 | 3,09 |
| 1778 | Jan. 0 | 9 16 39,640 | − 7 42 18,45 |
| | Apr. 10 | 39,627 | 17,87 |
| | Jul. 19 | 39,622 | 17,33 |
| | Oct. 27 | 39,625 | 16,84 |
| | Dec. 66 | 39,637 | 16,40 |
| 1779 | Jan. 0 | 9 16 42,581 | − 7 42 31,70 |
| | Apr. 10 | 42,598 | 31,30 |
| | Jul. 19 | 42,623 | 30,95 |
| | Oct. 27 | 42,656 | 30,66 |
| | Dec. 66 | 42,696 | 30,42 |
| 1780 | Jan. 1 | 9 16 45,630 | − 7 42 45,66 |
| | Apr. 10 | 45,675 | 45,47 |
| | Jul. 19 | 45,727 | 45,34 |
| | Oct. 27 | 45,785 | 45,27 |
| | Dec. 66 | 45,849 | 45,27 |
| 1781 | Jan. 0 | 9 16 48,775 | − 7 43 0,43 |
| | Apr. 10 | 48,843 | 0,47 |
| | Jul. 19 | 48,915 | 0,58 |
| | Oct. 27 | 48,992 | 0,74 |
| | Dec. 66 | 49,073 | 0,97 |
| 1782 | Jan. 0 | 9 16 51,993 | − 7 43 16,05 |
| | Apr. 10 | 52,076 | 16,32 |
| | Jul. 19 | 52,161 | 16,64 |
| | Oct. 27 | 52,248 | 17,01 |
| | Dec. 66 | 52,337 | 17,44 |
| 1783 | Jan. 0 | 9 16 55,255 | − 7 43 32,47 |
| | Apr. 10 | 55,344 | 32,93 |
| | Jul. 19 | 55,432 | 33,43 |
| | Oct. 27 | 55,520 | 33,98 |
| | Dec. 66 | 55,607 | 34,56 |
| 1784 | Jan. 1 | 9 16 58,526 | − 7 43 49,54 |
| | Apr. 10 | 58,612 | 50,15 |
| | Jul. 19 | 58,695 | 50,78 |
| | Oct. 27 | 58,775 | 51,44 |
| | Dec. 66 | 58,852 | 52,12 |
| 1785 | Jan. 0 | 9 17 1,774 | − 7 44 7,07 |
| | Apr. 10 | 1,848 | 7,76 |
| | Jul. 19 | 1,917 | 8,46 |
| | Oct. 27 | 1,980 | 9,16 |
| | Dec. 66 | 2,037 | 9,87 |
| 1786 | Jan. 0 | 9 17 4,967 | − 7 44 24,81 |
| | Apr. 10 | 5,020 | 25,51 |
| | Jul. 19 | 5,066 | 26,20 |
| | Oct. 27 | 5,105 | 26,87 |
| | Dec. 66 | 5,137 | 27,52 |
| 1787 | Jan. 0 | 9 17 8,075 | − 7 44 42,49 |
| | Apr. 10 | 8,102 | 43,12 |
| | Jul. 19 | 8,120 | 43,72 |
| | Oct. 27 | 8,130 | 44,28 |
| | Dec. 66 | 8,132 | 44,80 |
| 1788 | Jan. 1 | 9 17 11,080 | − 7 44 59,81 |
| | Apr. 10 | 11,076 | 45 0,30 |
| | Jul. 19 | 11,064 | 0,74 |
| | Oct. 27 | 11,044 | 1,13 |
| | Dec. 66 | 11,015 | 1,46 |
| 1789 | Jan. 0 | 9 17 13,974 | − 7 45 16,54 |
| | Apr. 10 | 13,939 | 16,83 |
| | Jul. 19 | 13,897 | 17,06 |
| | Oct. 27 | 13,848 | 17,22 |
| | Dec. 66 | 13,791 | 17,32 |

## Tabulae X. Sect. II. *α Hydrae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,063 | +24,5 | — 0,06 | —22,4 | —2 | +2 | 1770 | 9 16 17,0249 | — 7 40 21,441 |
| 10 | +1,289 | +20,5 | — 2,27 | —21,6 | —1 | +1 | 1771 | 16 19,9731 | 40 36,578 |
| 20 | +1,472 | +15,9 | — 4,37 | —20,2 | —1 | +1 | 1772 | 16 22,9213 | 40 51,719 |
| 30 | +1,607 | +11,0 | — 6,31 | —18,4 | 0 | +1 | 1773 | 16 25,8695 | 41 6,862 |
| Febr. 9 | +1,692 | + 6,1 | — 8,04 | —16,2 | 0 | 0 | 1774 | 16 28,8177 | 41 22,009 |
| | | | | | | | 1775 | 16 31,7658 | 41 37,157 |
| 19 | +1,728 | + 1,3 | — 9,54 | —13,8 | +1 | 0 | 1776 | 16 34,7139 | 41 52,309 |
| Mart. 1 | +1,718 | — 3,1 | —10,79 | —11,3 | +1 | 0 | 1777 | 16 37,6620 | 42 7,463 |
| 11 | +1,666 | — 6,9 | —11,79 | — 8,8 | +1 | —1 | 1778 | 16 40,6101 | 42 22,620 |
| 21 | +1,580 | — 9,9 | —12,54 | — 6,4 | +2 | —1 | 1779 | 16 43,5582 | 42 37,780 |
| 31 | +1,468 | —12,2 | —13,05 | — 4,0 | +2 | —1 | 1780 | 16 46,5063 | 42 52,942 |
| | | | | | | | 1781 | 16 49,4544 | 43 8,108 |
| Apr. 10 | +1,337 | —13,6 | —13,33 | — 1,7 | +2 | —2 | 1782 | 16 52,4024 | 43 23,276 |
| 20 | +1,197 | —14,2 | —13,38 | + 0,5 | +3 | —2 | 1783 | 16 55,3504 | 43 38,446 |
| 30 | +1,054 | —14,0 | —13,24 | + 2,4 | +3 | —2 | 1784 | 16 58,2984 | 43 53,620 |
| Maj. 10 | +0,917 | —13,2 | —12,90 | + 4,3 | +3 | —2 | 1785 | 17 1,2464 | 44 8,796 |
| 20 | +0,790 | —11,9 | —12,38 | + 6,1 | +3 | —2 | 1786 | 17 4,1944 | 44 23,975 |
| | | | | | | | 1787 | 17 7,1424 | 44 39,156 |
| 30 | +0,680 | —10,1 | —11,69 | + 7,6 | +3 | —2 | 1788 | 17 10,0904 | 44 54,340 |
| Jun. 9 | +0,589 | — 8,1 | —10,86 | + 9,0 | +2 | —3 | 1789 | 17 13,0383 | 45 9,527 |
| 19 | +0,519 | — 5,8 | — 9,90 | +10,2 | +2 | —3 | 1790 | 17 15,9862 | 45 24,717 |
| 29 | +0,474 | — 3,3 | — 8,83 | +11,1 | +2 | —3 | | | |
| Jul. 9 | +0,453 | — 0,8 | — 7,69 | +11,6 | +1 | —3 | | | |
| 19 | +0,458 | + 1,9 | — 6,51 | +11,9 | +1 | —3 | | | |
| 29 | +0,490 | + 4,5 | — 5,32 | +11,6 | +1 | —3 | | | |
| Aug. 8 | +0,548 | + 7,2 | — 4,19 | +10,9 | 0 | —2 | | | |
| 18 | +0,634 | +10,0 | — 3,15 | + 9,6 | 0 | —2 | | | |
| 28 | +0,747 | +12,8 | — 2,27 | + 7,9 | —1 | —2 | | | |
| Sept. 7 | +0,890 | +15,7 | — 1,58 | + 5,4 | —1 | —2 | | | |
| 17 | +1,061 | +18,6 | — 1,19 | + 2,8 | —2 | —2 | | | |
| 27 | +1,261 | +21,5 | — 1,02 | — 0,2 | —2 | —2 | | | |
| Oct. 7 | +1,490 | +24,2 | — 1,22 | — 3,8 | —2 | —1 | | | |
| 17 | +1,745 | +26,7 | — 1,77 | — 7,3 | —3 | —1 | | | |
| 27 | +2,024 | +28,9 | — 2,67 | —10,8 | —3 | —1 | | | |
| Nov. 6 | +2,323 | +30,6 | — 3,92 | —14,1 | —3 | —1 | | | |
| 16 | +2,635 | +31,5 | — 5,49 | —17,0 | —3 | —1 | | | |
| 26 | +2,953 | +31,6 | — 7,32 | —19,4 | —3 | —1 | | | |
| Dec. 6 | +3,267 | +30,9 | — 9,36 | —21,2 | —3 | —1 | | | |
| 16 | +3,570 | +29,2 | —11,55 | —22,3 | —3 | —1 | | | |
| 26 | +3,851 | +26,5 | —13,81 | —22,6 | —2 | —1 | | | |
| 36 | +4,100 | +23,1 | —16,06 | —22,2 | —2 | —1 | | | |

Diei reducto addendum est:

ante } Aug. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Leonis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 9 56 7,136 | + 13 4 49,36 | 1780 | Jan. 1 | 9 56 37,362 | +13 2 11,34 |
| | Apr. 10 | 7,095 | 49,11 | | Apr. 10 | 37,426 | 11,40 |
| | Jul. 19 | 7,045 | 48,93 | | Jul. 19 | 37,495 | 11,40 |
| | Oct. 27 | 6,988 | 48,81 | | Oct. 27 | 37,571 | 11,34 |
| | Dec. 66 | 6,922 | 48,75 | | Dec. 66 | 37,652 | 11,22 |
| 1771 | Jan. 0 | 9 56 10,155 | + 13 4 31,57 | 1781 | Jan. 0 | 9 56 40,834 | +13 1 54,05 |
| | Apr. 10 | 10,084 | 31,55 | | Apr. 10 | 40,918 | 53,89 |
| | Jul. 19 | 10,008 | 31,60 | | Jul. 19 | 41,006 | 53,67 |
| | Oct. 27 | 9,925 | 31,71 | | Oct. 27 | 41,097 | 53,41 |
| | Dec. 66 | 9,837 | 31,89 | | Dec. 66 | 41,192 | 53,08 |
| 1772 | Jan. 1 | 9 56 13,078 | + 13 4 14,63 | 1782 | Jan. 0 | 9 56 44,370 | +13 1 35,97 |
| | Apr. 10 | 12,986 | 14,85 | | Apr. 10 | 44,466 | 35,61 |
| | Jul. 19 | 12,891 | 15,13 | | Jul. 19 | 44,562 | 35,20 |
| | Oct. 27 | 12,893 | 15,46 | | Oct. 27 | 44,659 | 34,75 |
| | Dec. 66 | 12,692 | 15,86 | | Dec.66 | 44,757 | 34,26 |
| 1773 | Jan. 0 | 9 56 15,936 | + 13 3 58,52 | 1783 | Jan. 0 | 9 56 47,934 | +13 1 17,20 |
| | Apr. 10 | 15,834 | 58,95 | | Apr. 10 | 48,031 | 16,68 |
| | Jul. 19 | 15,732 | 59,43 | | Jul. 19 | 48,126 | 16,13 |
| | Oct. 27 | 15,630 | 59,95 | | Oct. 27 | 48,219 | 15,54 |
| | Dec. 66 | 15,529 | 4 0,51 | | Dec. 66 | 48,310 | 14,93 |
| 1774 | Jan. 0 | 9 56 18,773 | + 13 3 43,12 | 1784 | Jan. 1 | 9 56 51,489 | +13 0 57,91 |
| | Apr. 10 | 18,673 | 43,71 | | Apr. 10 | 51,577 | 57,28 |
| | Jul. 19 | 18,576 | 44,32 | | Jul. 19 | 51,661 | 56,64 |
| | Oct. 27 | 18,483 | 44,96 | | Oct. 27 | 51,740 | 55,99 |
| | Dec. 66 | 18,393 | 45,63 | | Dec. 66 | 51,814 | 55,32 |
| 1775 | Jan. 0 | 9 56 21,632 | + 13 3 28,20 | 1785 | Jan. 0 | 9 56 54,999 | +13 0 38,32 |
| | Apr. 10 | 21,546 | 28,88 | | Apr. 10 | 55,069 | 37,65 |
| | Jul. 19 | 21,466 | 29,56 | | Jul. 19 | 55,132 | 36,98 |
| | Oct. 27 | 21,392 | 30,25 | | Oct. 27 | 55,288 | 36,33 |
| | Dec. 66 | 21,325 | 30,94 | | Dec. 66 | 55,237 | 35,68 |
| 1776 | Jan. 1 | 9 56 24,556 | + 13 3 13,51 | 1786 | Jan. 0 | 9 56 58,431 | +13 0 18,66 |
| | Apr. 10 | 24,494 | 14,19 | | Apr. 10 | 58,475 | 18,02 |
| | Jul. 19 | 24,440 | 14,86 | | Jul. 19 | 58,510 | 17,41 |
| | Oct. 27 | 24,394 | 15,51 | | Oct. 27 | 58,537 | 16,83 |
| | Dec. 66 | 24,357 | 16,14 | | Dec. 66 | 58,556 | 16,27 |
| 1777 | Jan. 0 | 9 56 27,579 | + 13 2 58,72 | 1787 | Jan. 0 | 9 57 1,759 | +12 59 59,22 |
| | Apr. 10 | 27,548 | 59,33 | | Apr. 10 | 1,772 | 58,69 |
| | Jul. 19 | 27,525 | 59,91 | | Jul. 19 | 1,775 | 58,20 |
| | Oct. 27 | 27,512 | 3 0,44 | | Oct. 27 | 1,769 | 57,75 |
| | Dec. 66 | 27,509 | 0,94 | | Dec. 66 | 1,754 | 57,35 |
| 1778 | Jan. 0 | 9 56 30,719 | + 13 2 43,57 | 1788 | Jan. 1 | 9 57 4,969 | +12 59 40,24 |
| | Apr. 10 | 30,721 | 44,04 | | Apr. 10 | 4,947 | 39,87 |
| | Jul. 19 | 30,733 | 44,46 | | Jul. 19 | 4,917 | 39,56 |
| | Oct. 27 | 30,754 | 44,83 | | Oct. 27 | 4,878 | 39,31 |
| | Dec. 66 | 30,784 | 45,14 | | Dec. 66 | 4,831 | 39,11 |
| 1779 | Jan. 0 | 9 56 33,933 | + 13 2 27,83 | 1789 | Jan. 0 | 9 57 8,057 | +12 59 21,93 |
| | Apr. 10 | 34,019 | 28,10 | | Apr. 10 | 8,003 | 21,78 |
| | Jul. 19 | 34,062 | 28,32 | | Jul. 19 | 7,942 | 21,69 |
| | Oct. 27 | 34,114 | 28,48 | | Oct. 27 | 7,874 | 21,66 |
| | Dec. 66 | 34,173 | 28,58 | | Dec. 66 | 7,799 | 21,69 |

## Tabulae X. Sect. II. *α Leonis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,902 | +28,6 | — 5,24 | —14,7 | —3 | +1 |
| 10 | +1,172 | +25,1 | — 6,60 | —12,4 | —2 | 0 |
| 20 | +1,404 | +20,9 | — 7,72 | — 9,9 | —2 | 0 |
| 30 | +1,590 | +16,2 | — 8,57 | — 7,2 | —2 | —1 |
| Febr. 9 | +1,727 | +11,2 | — 9,16 | — 4,6 | —1 | —1 |
| 19 | +1,813 | + 6,2 | — 9,48 | — 2,0 | 0 | —1 |
| Mart. 1 | +1,850 | + 1,5 | — 9,56 | + 0,3 | 0 | —2 |
| 11 | +1,842 | — 2,8 | — 9,43 | + 2,1 | +1 | —2 |
| 21 | +1,794 | — 6,4 | — 9,14 | + 3,6 | +1 | —2 |
| 31 | +1,714 | — 9,2 | — 8,72 | + 4,7 | +2 | —2 |
| Apr. 10 | +1,610 | —11,3 | — 8,20 | + 5,4 | +2 | —3 |
| 20 | +1,489 | —12,5 | — 7,64 | + 5,8 | +2 | —3 |
| 30 | +1,361 | —12,9 | — 7,05 | + 5,8 | +3 | —3 |
| Maj. 10 | +1,232 | —12,7 | — 6,48 | + 5,6 | +3 | —2 |
| 20 | +1,108 | —11,9 | — 5,93 | + 5,3 | +3 | —2 |
| 30 | +0,994 | —10,7 | — 5,42 | + 4,8 | +3 | —2 |
| Jun. 9 | +0,895 | — 9,0 | — 4,97 | + 4,2 | +3 | —2 |
| 19 | +0,815 | — 7,1 | — 4,59 | + 3,5 | +2 | —2 |
| 29 | +0,754 | — 5,0 | — 4,28 | + 2,7 | +2 | —2 |
| Jul. 9 | +0,715 | — 2,8 | — 4,05 | + 1,8 | +2 | —1 |
| 19 | +0,698 | — 0,5 | — 3,92 | + 0,8 | +1 | —1 |
| 29 | +0,705 | + 2,0 | — 3,89 | — 0,3 | +1 | —1 |
| Aug. 8 | +0,737 | + 4,5 | — 3,98 | — 1,6 | 0 | —1 |
| 18 | +0,795 | + 7,2 | — 4,21 | — 3,1 | 0 | —1 |
| 28 | +0,880 | + 9,9 | — 4,59 | — 4,7 | —1 | 0 |
| Sept. 7 | +0,993 | +12,8 | — 5,15 | — 6,6 | —1 | 0 |
| 17 | +1,136 | +15,9 | — 5,90 | — 8,5 | —2 | 0 |
| 27 | +1,310 | +19,0 | — 6,84 | —10,5 | —2 | 0 |
| Oct. 7 | +1,515 | +22,1 | — 7,99 | —12,5 | —3 | 0 |
| 17 | +1,752 | +25,2 | — 9,34 | —14,4 | —3 | 0 |
| 27 | +2,018 | +27,9 | —10,87 | —16,1 | —4 | 0 |
| Nov. 6 | +2,310 | +30,2 | —12,55 | —17,4 | —4 | 0 |
| 16 | +2,622 | +32,0 | —14,34 | —18,2 | —4 | 0 |
| 26 | +2,950 | +33,0 | —16,19 | —18,5 | —4 | 0 |
| Dec. 6 | +3,282 | +33,1 | —18,04 | —18,2 | —4 | —1 |
| 16 | +3,612 | +32,2 | —19,83 | —17,3 | —4 | —1 |
| 26 | +3,926 | +30,3 | —21,50 | —15,8 | —4 | —1 |
| 36 | +4,217 | +27,5 | —22,99 | —13,9 | —4 | —2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 9 56 6,1258 | +13 4 56,162 |
| 1771 | 56 9,3363 | 4 38,968 |
| 1772 | 56 12,5467 | 4 21,771 |
| 1773 | 56 15,7570 | 4 4,572 |
| 1774 | 56 18,9672 | 3 47,370 |
| 1775 | 56 22,1773 | 3 30,166 |
| 1776 | 56 25,3873 | 3 12,960 |
| 1777 | 56 28,5972 | 2 55,752 |
| 1778 | 56 31,8070 | 2 38,541 |
| 1779 | 56 35,0167 | 2 21,327 |
| 1780 | 56 38,2262 | 2 4,112 |
| 1781 | 56 41,4357 | 1 46,894 |
| 1782 | 56 44,6451 | 1 29,674 |
| 1783 | 56 47,8544 | 1 12,451 |
| 1784 | 56 51,0636 | 0 55,226 |
| 1785 | 56 54,2726 | 0 37,999 |
| 1786 | 56 57,4816 | 0 20,769 |
| 1787 | 57 0,6905 | 0 3,538 |
| 1788 | 57 3,8993 | 12 59 46,303 |
| 1789 | 57 7,1080 | 59 29,067 |
| 1790 | 57 10,3165 | 59 11,828 |

Diei reducto addendum est:

ante } Aug. 19 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *β Leonis.*

| | | | |
|---|---|---|---|
| 1770 | Jan. 0 | 11h 37′ 19″,749 | +15° 51′ 17″,10 |
| | Apr. 10 | 19,703 | 17,21 |
| | Jul. 19 | 19,652 | 17,37 |
| | Oct. 27 | 19,592 | 17,60 |
| | Dec. 66 | 19,525 | 17,88 |
| 1771 | Jan. 0 | 11 37 22,619 | +15 50 57,71 |
| | Apr. 10 | 22,547 | 58,03 |
| | Jul. 19 | 22,470 | 58,39 |
| | Oct. 27 | 22,387 | 58,80 |
| | Dec. 66 | 22,299 | 59,25 |
| 1772 | Jan. 1 | 11 37 25,400 | +15 50 39,03 |
| | Apr. 10 | 25,309 | 39,51 |
| | Jul. 19 | 25,215 | 40,02 |
| | Oct. 27 | 25,119 | 40,57 |
| | Dec. 66 | 25,021 | 41,15 |
| 1773 | Jan. 0 | 11 37 28,125 | +15 50 20,89 |
| | Apr. 10 | 28,025 | 21,48 |
| | Jul. 19 | 27,926 | 22,09 |
| | Oct. 27 | 27,828 | 22,71 |
| | Dec. 66 | 27,731 | 23,35 |
| 1774 | Jan. 0 | 11 37 30,834 | +15 50 3,07 |
| | Apr. 10 | 30,738 | 3,70 |
| | Jul. 19 | 30,646 | 4,33 |
| | Oct. 27 | 30,558 | 4,95 |
| | Dec. 66 | 30,473 | 5,56 |
| 1775 | Jan. 0 | 11 37 33,572 | +15 49 45,29 |
| | Apr. 10 | 33,491 | 45,89 |
| | Jul. 19 | 33,416 | 46,47 |
| | Oct. 27 | 33,348 | 47,01 |
| | Dec. 66 | 33,287 | 47,53 |
| 1776 | Jan. 1 | 11 37 36,377 | +15 49 27,29 |
| | Apr. 10 | 36,321 | 27,78 |
| | Jul. 19 | 36,273 | 28,23 |
| | Oct. 27 | 36,233 | 28,64 |
| | Dec. 66 | 36,202 | 29,01 |
| 1777 | Jan. 0 | 11 37 39,282 | +15 49 8,82 |
| | Apr. 10 | 39,257 | 9,15 |
| | Jul. 19 | 39,240 | 9,43 |
| | Oct. 27 | 39,233 | 9,65 |
| | Dec. 66 | 39,234 | 9,81 |
| 1778 | Jan. 0 | 11 37 42,303 | +15 48 49,70 |
| | Apr. 10 | 42,311 | 49,83 |
| | Jul. 19 | 42,327 | 49,91 |
| | Oct. 27 | 42,352 | 49,93 |
| | Dec. 66 | 42,385 | 49,89 |
| 1779 | Jan. 0 | 11 37 45,443 | +15 48 29,84 |
| | Apr. 10 | 45,482 | 29,76 |
| | Jul. 19 | 45,529 | 29,63 |
| | Oct. 27 | 45,583 | 29,46 |
| | Dec. 66 | 45,644 | 29,24 |
| 1780 | Jan. 1 | 11h 37′ 48″,693 | +15° 48′ 9″,25 |
| | Apr. 10 | 48,759 | 8,96 |
| | Jul. 19 | 48,830 | 8,63 |
| | Oct. 27 | 48,906 | 8,27 |
| | Dec. 66 | 48,987 | 7,87 |
| 1781 | Jan. 0 | 11 37 52,030 | +15 47 47,94 |
| | Apr. 10 | 52,114 | 47,50 |
| | Jul. 19 | 52,201 | 47,04 |
| | Oct. 27 | 52,191 | 46,54 |
| | Dec. 66 | 52,384 | 46,01 |
| 1782 | Jan. 0 | 11 37 55,423 | +15 47 26,12 |
| | Apr. 10 | 55,517 | 25,57 |
| | Jul. 19 | 55,611 | 25,01 |
| | Oct. 27 | 55,705 | 24,43 |
| | Dec. 66 | 55,800 | 23,84 |
| 1783 | Jan. 0 | 11 37 58,838 | +15 47 3,97 |
| | Apr. 10 | 58,932 | 3,37 |
| | Jul. 19 | 59,023 | 2,77 |
| | Oct. 27 | 59,111 | 2,16 |
| | Dec. 66 | 59,197 | 1,56 |
| 1784 | Jan. 1 | 11 38 2,239 | +15 46 41,69 |
| | Apr. 10 | 2,322 | 41,10 |
| | Jul. 19 | 2,401 | 40,52 |
| | Oct. 27 | 2,474 | 39,97 |
| | Dec. 66 | 2,542 | 39,43 |
| 1785 | Jan. 0 | 11 38 5,590 | +15 46 19,54 |
| | Apr. 10 | 5,654 | 19,01 |
| | Jul. 19 | 5,711 | 18,52 |
| | Oct. 27 | 5,762 | 18,07 |
| | Dec. 66 | 5,805 | 17,65 |
| 1786 | Jan. 0 | 11 38 8,861 | +15 45 57,71 |
| | Apr. 10 | 8,899 | 57,32 |
| | Jul. 19 | 8,929 | 56,97 |
| | Oct. 27 | 8,950 | 56,67 |
| | Dec. 66 | 8,963 | 56,42 |
| 1787 | Jan. 0 | 11 38 12,030 | +15 45 36,43 |
| | Apr. 10 | 12,037 | 36,21 |
| | Jul. 19 | 12,035 | 36,04 |
| | Oct. 27 | 12,024 | 35,93 |
| | Dec. 66 | 12,005 | 35,88 |
| 1788 | Jan. 1 | 11 38 15,082 | +15 45 15,82 |
| | Apr. 10 | 15,056 | 15,81 |
| | Jul. 19 | 15,022 | 15,85 |
| | Oct. 27 | 14,980 | 15,95 |
| | Dec. 66 | 14,930 | 16,11 |
| 1789 | Jan. 0 | 11 38 18,017 | +15 44 55,98 |
| | Apr. 10 | 17,961 | 56,17 |
| | Jul. 19 | 17,898 | 56,42 |
| | Oct. 27 | 17,829 | 56,72 |
| | Dec. 66 | 17,753 | 57,08 |

## Tabulae X. Sect. II. β *Leonis*.

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,365 | +33,2 | − 6,85 | −18,2 | −3 | +2 | 1770 | 11 37 18,7925 | +15 51 23,760 |
| 10 | +0,689 | +31,3 | − 8,55 | −15,6 | −3 | +1 | 1771 | 37 21,8634 | 51 3,694 |
| 20 | +0,990 | +28,5 | − 9,96 | −12,5 | −3 | +1 | 1772 | 37 24,9342 | 50 43,628 |
| 30 | +1,259 | +24,9 | −11,05 | − 9,2 | −3 | 0 | 1773 | 37 28,0049 | 50 23,562 |
| Febr. 9 | +1,488 | +20,8 | −11,79 | − 5,7 | −2 | 0 | 1774 | 37 31,0756 | 50 3,495 |
| | | | | | | | 1775 | 37 34,1462 | 49 43,429 |
| 19 | +1,674 | +16,3 | −12,19 | − 2,4 | −2 | −1 | 1776 | 37 37,2167 | 49 23,362 |
| Mart. 1 | +1,813 | +11,7 | −12,26 | + 0,8 | −1 | −1 | 1777 | 37 40,2871 | 49 3,294 |
| 11 | +1,908 | + 7,3 | −12,03 | + 3,5 | −1 | −1 | 1778 | 37 43,3574 | 48 43,226 |
| 21 | +1,959 | + 3,2 | −11,56 | + 5,8 | 0 | −2 | 1779 | 37 46,4277 | 48 23,158 |
| 31 | +1,971 | − 0,5 | −10,88 | + 7,6 | 0 | −2 | 1780 | 37 49,4979 | 48 3,088 |
| | | | | | | | 1781 | 37 52,5680 | 47 43,019 |
| Apr. 10 | +1,950 | − 3,5 | −10,05 | + 8,8 | +1 | −2 | 1782 | 37 55,6380 | 47 22,950 |
| 20 | +1,901 | − 6,1 | − 9,13 | + 9,4 | +1 | −2 | 1783 | 37 58,7080 | 47 2,880 |
| 30 | +1,829 | − 8,0 | − 8,17 | + 9,6 | +2 | −2 | 1784 | 38 1,7779 | 46 42,810 |
| Maj. 10 | +1,742 | − 9,2 | − 7,22 | + 9,3 | +2 | −2 | 1785 | 38 4,8477 | 46 22,739 |
| 20 | +1,645 | −10,1 | − 6,31 | + 8,7 | +2 | −2 | 1786 | 38 7,9174 | 46 2,668 |
| | | | | | | | 1787 | 38 10,9870 | 45 42,597 |
| 30 | +1,541 | −10,5 | − 5,49 | + 7,7 | +3 | −2 | 1788 | 38 14,0566 | 45 22,525 |
| Jun. 9 | +1,435 | −10,5 | − 4,77 | + 6,6 | +3 | −2 | 1789 | 38 17,1261 | 45 2,453 |
| 19 | +1,331 | −10,3 | − 4,17 | + 5,3 | +3 | −2 | 1790 | 38 20,1956 | 44 42,380 |
| 29 | +1,230 | − 9,7 | − 3,72 | + 3,8 | +3 | −2 | | | |
| Jul. 9 | +1,137 | − 8,9 | − 3,42 | + 2,2 | +3 | −1 | | | |
| 19 | +1,053 | − 7,8 | − 3,29 | + 0,5 | +2 | −1 | | | |
| 29 | +0,982 | − 6,4 | − 3,33 | − 1,3 | +2 | −1 | | | |
| Aug. 8 | +0,925 | − 4,8 | − 3,55 | − 3,2 | +2 | 0 | | | |
| 18 | +0,886 | − 2,8 | − 3,96 | − 5,1 | +1 | 0 | | | |
| 28 | +0,870 | − 0,4 | − 4,57 | − 7,2 | +1 | 0 | | | |
| Sept. 7 | +0,879 | + 2,4 | − 5,40 | − 9,4 | 0 | 0 | | | |
| 17 | +0,918 | + 5,6 | − 6,44 | −11,6 | 0 | +1 | | | |
| 27 | +0,991 | + 9,1 | − 7,71 | −13,8 | −1 | +1 | | | |
| Oct. 7 | +1,100 | +12,9 | − 9,19 | −15,9 | −1 | +1 | | | |
| 17 | +1,249 | +17,0 | −10,89 | −18,0 | −2 | +2 | | | |
| 27 | +1,439 | +20,9 | −12,78 | −19,8 | −2 | +2 | | | |
| Nov. 6 | +1,667 | +24,7 | −14,84 | −21,2 | −3 | +2 | | | |
| 16 | +1,932 | +28,1 | −17,01 | −22,1 | −3 | +2 | | | |
| 26 | +2,229 | +30,9 | −19,25 | −22,5 | −4 | +2 | | | |
| Dec. 6 | +2,549 | +32,8 | −21,50 | −22,2 | −4 | +2 | | | |
| 16 | +2,885 | +33,8 | −23,68 | −21,2 | −4 | +2 | | | |
| 26 | +3,225 | +33,7 | −25,74 | −19,6 | −4 | +2 | | | |
| 36 | +3,559 | +32,6 | −27,59 | −17,3 | −4 | +1 | | | |

Diei reducto addendum est:

ante } Sept. 16 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. β *Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 11 38 43,876 | + 3 3 30,20 | 1780 | Jan. 1 | 11 39 13,274 | + 3 0 20,22 |
| | Apr. 10 | 43,844 | 30,32 | | Apr. 10 | 13,328 | 19,94 |
| | Jul. 19 | 43,804 | 30,49 | | Jul. 19 | 13,389 | 19,62 |
| | Oct. 27 | 43,755 | 30,72 | | Oct. 27 | 13,455 | 19,25 |
| | Dec. 66 | 43,699 | 31,00 | | Dec. 66 | 13,528 | 18,84 |
| 1771 | Jan. 0 | 11 38 46,844 | + 3 3 10,62 | 1781 | Jan. 0 | 11 39 16,628 | + 2 59 58,71 |
| | Apr. 10 | 46,783 | 10,94 | | Apr. 10 | 16,704 | 58,28 |
| | Jul. 19 | 46,715 | 11,31 | | Jul. 19 | 16,784 | 57,81 |
| | Oct. 27 | 46,642 | 11,72 | | Oct. 27 | 16,868 | 57,31 |
| | Dec. 66 | 46,562 | 12,18 | | Dec. 66 | 16,955 | 56,77 |
| 1772 | Jan. 1 | 11 38 49,714 | + 3 2 51,74 | 1782 | Jan. 0 | 11 39 20,050 | + 2 59 36,68 |
| | Apr. 10 | 49,631 | 52,23 | | Apr. 10 | 20,139 | 36,13 |
| | Jul. 19 | 49,544 | 52,75 | | Jul. 19 | 20,229 | 35,57 |
| | Oct. 27 | 49,454 | 53,30 | | Oct. 27 | 20,321 | 34,99 |
| | Dec. 66 | 49,360 | 53,88 | | Dec. 66 | 20,414 | 34,39 |
| 1773 | Jan. 0 | 11 38 52,516 | + 3 2 33,41 | 1783 | Jan. 0 | 11 39 23,507 | + 2 59 14,31 |
| | Apr. 10 | 52,420 | 34,00 | | Apr. 10 | 23,600 | 13,71 |
| | Jul. 19 | 52,324 | 34,61 | | Jul. 19 | 23,692 | 13,11 |
| | Oct. 27 | 52,228 | 35,23 | | Oct. 27 | 23,782 | 12,51 |
| | Dec. 66 | 52,131 | 35,87 | | Dec. 66 | 23,870 | 11,91 |
| 1774 | Jan. 0 | 11 38 55,288 | + 3 2 15,38 | 1784 | Jan. 1 | 11 39 26,965 | + 2 58 51,83 |
| | Apr. 10 | 55,191 | 16,02 | | Apr. 10 | 27,052 | 51,24 |
| | Jul. 19 | 55,097 | 16,65 | | Jul. 19 | 27,135 | 50,67 |
| | Oct. 27 | 55,006 | 17,27 | | Oct. 27 | 27,214 | 50,11 |
| | Dec. 66 | 54,918 | 17,88 | | Dec. 66 | 27,288 | 49,57 |
| 1775 | Jan. 0 | 11 38 58,072 | + 3 1 57,40 | 1785 | Jan. 0 | 11 39 30,388 | + 2 58 29,47 |
| | Apr. 10 | 57,986 | 58,00 | | Apr. 10 | 30,460 | 28,95 |
| | Jul. 19 | 57,906 | 58,57 | | Jul. 19 | 30,525 | 28,47 |
| | Oct. 27 | 57,831 | 59,11 | | Oct. 27 | 30,584 | 28,02 |
| | Dec. 66 | 57,762 | 59,62 | | Dec. 66 | 30,637 | 27,60 |
| 1776 | Jan. 1 | 11 39 0,909 | + 3 1 39,18 | 1786 | Jan. 0 | 11 39 33,745 | + 2 58 7,45 |
| | Apr. 10 | 0,844 | 39,67 | | Apr. 10 | 33,793 | 7,06 |
| | Jul. 19 | 0,787 | 40,12 | | Jul. 19 | 33,833 | 6,72 |
| | Oct. 27 | 0,737 | 40,52 | | Oct. 27 | 33,866 | 6,43 |
| | Dec. 66 | 0,695 | 40,88 | | Dec. 66 | 33,891 | 6,18 |
| 1777 | Jan. 0 | 11 39 3,833 | + 3 1 20,49 | 1787 | Jan. 0 | 11 39 37,008 | + 2 57 45,98 |
| | Apr. 10 | 3,796 | 20,81 | | Apr. 10 | 37,027 | 45,77 |
| | Jul. 19 | 3,768 | 21,08 | | Jul. 19 | 37,038 | 45,62 |
| | Oct. 27 | 3,748 | 21,30 | | Oct. 27 | 37,040 | 45,51 |
| | Dec. 66 | 3,737 | 21,47 | | Dec. 66 | 37,033 | 45,45 |
| 1778 | Jan. 0 | 11 39 6,865 | + 3 1 1,14 | 1788 | Jan. 1 | 11 39 40,161 | + 2 57 25,19 |
| | Apr. 10 | 6,860 | 1,27 | | Apr. 10 | 40,147 | 25,18 |
| | Jul. 19 | 6,863 | 1,34 | | Jul. 19 | 40,127 | 25,22 |
| | Oct. 27 | 6,876 | 1,35 | | Oct. 27 | 40,096 | 25,33 |
| | Dec. 66 | 6,897 | 1,31 | | Dec. 66 | 40,059 | 25,49 |
| 1779 | Jan. 0 | 11 39 10,014 | + 3 0 41,05 | 1789 | Jan. 0 | 11 39 43,197 | + 2 57 5,15 |
| | Apr. 10 | 10,041 | 40,97 | | Apr. 10 | 43,153 | 5,30 |
| | Jul. 19 | 10,075 | 40,84 | | Jul. 19 | 43,102 | 5,61 |
| | Oct. 27 | 10,117 | 40,65 | | Oct. 27 | 43,043 | 5,91 |
| | Dec. 66 | 10,166 | 40,41 | | Dec. 66 | 42,977 | 6,27 |

## Tabulae X. Sect. II. β *Virginis.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,352 | +32,5 | − 2,60 | −20,8 | −3 | +2 | 1770 | 11 38 42,8917 | + 3 3 36,849 |
| 10 | +0,669 | +30,6 | − 4,62 | −19,4 | −3 | +2 | 1771 | 38 46,0164 | 3 16,576 |
| 20 | +0,963 | +27,8 | − 6,48 | −17,5 | −3 | +2 | 1772 | 38 49,1411 | 2 56,303 |
| 30 | +1,224 | +24,3 | − 8,12 | −15,2 | −2 | +1 | 1773 | 38 52,2658 | 2 36,030 |
| Febr. 9 | +1,448 | +20,3 | − 9,51 | −12,6 | −2 | +1 | 1774 | 38 55,3905 | 2 15,756 |
| | | | | | | | 1775 | 38 58,5153 | 1 55,482 |
| 19 | +1,629 | +16,0 | −10,63 | − 9,8 | −1 | +1 | 1776 | 39 1,6400 | 1 35,208 |
| Mart. 1 | +1,767 | +11,7 | −11,46 | − 6,9 | −1 | 0 | 1777 | 39 4,7647 | 1 14,933 |
| 11 | +1,862 | + 7,5 | −12,01 | − 4,3 | 0 | 0 | 1778 | 39 7,8894 | 0 54,658 |
| 21 | +1,916 | + 3,6 | −12,32 | − 1,9 | 0 | −1 | 1779 | 39 11,0141 | 0 34,383 |
| 31 | +1,934 | + 0,2 | −12,39 | + 0,3 | +1 | −1 | 1780 | 39 14,1387 | 0 14,108 |
| | | | | | | | 1781 | 39 17,2634 | 2 59 53,832 |
| Apr. 10 | +1,920 | − 2,8 | −12,27 | + 2,0 | +1 | −1 | 1782 | 39 20,3881 | 59 33,556 |
| 20 | +1,879 | − 5,1 | −11,99 | + 3,4 | +2 | −1 | 1783 | 39 23,5128 | 59 13,279 |
| 30 | +1,819 | − 6,8 | −11,59 | + 4,5 | +2 | −2 | 1784 | 39 26,6375 | 58 53,002 |
| Maj. 10 | +1,744 | − 8,1 | −11,09 | + 5,3 | +2 | −2 | 1785 | 39 29,7620 | 58 32,724 |
| 20 | +1,657 | − 9,0 | −10,54 | + 5,8 | +3 | −2 | 1786 | 39 32,8867 | 58 12,446 |
| | | | | | | | 1787 | 39 36,0113 | 57 52,168 |
| 30 | +1,565 | − 9,4 | − 9,94 | + 6,1 | +3 | −2 | 1788 | 39 39,1359 | 57 31,890 |
| Jun. 9 | +1,470 | − 9,5 | − 9,33 | + 6,1 | +3 | −2 | 1789 | 39 42,2606 | 57 11,611 |
| 19 | +1,376 | − 9,3 | − 8,73 | + 6,0 | +3 | −2 | 1790 | 39 45,3852 | 56 51,333 |
| 29 | +1,284 | − 8,9 | − 8,14 | + 5,7 | +3 | −2 | | | |
| Jul. 9 | +1,198 | − 8,2 | − 7,59 | + 5,3 | +3 | −2 | | | |
| 19 | +1,120 | − 7,3 | − 7,09 | + 4,7 | +3 | −2 | | | |
| 29 | +1,052 | − 6,1 | − 6,66 | + 3,8 | +2 | −1 | | | |
| Aug. 8 | +0,999 | − 4,5 | − 6,33 | + 2,8 | +2 | −1 | | | |
| 18 | +0,962 | − 2,6 | − 6,11 | + 1,5 | +2 | −1 | | | |
| 28 | +0,947 | − 0,3 | − 6,03 | − 0,1 | +1 | −1 | | | |
| Sept. 7 | +0,956 | + 2,4 | − 6,12 | − 1,9 | +1 | −1 | | | |
| 17 | +0,995 | + 5,6 | − 6,41 | − 4,0 | 0 | 0 | | | |
| 27 | +1,067 | + 9,1 | − 6,92 | − 6,4 | 0 | 0 | | | |
| Oct. 7 | +1,176 | +12,9 | − 7,68 | − 8,9 | −1 | 0 | | | |
| 17 | +1,324 | +16,8 | − 8,70 | −11,5 | −1 | +1 | | | |
| 27 | +1,512 | +20,7 | − 9,97 | −14,0 | −2 | +1 | | | |
| Nov. 6 | +1,738 | +24,4 | −11,49 | −16,4 | −2 | +1 | | | |
| 16 | +2,000 | +27,8 | −13,24 | −18,4 | −3 | +2 | | | |
| 26 | +2,293 | +30,4 | −15,17 | −20,1 | −3 | +2 | | | |
| Dec. 6 | +2,608 | +32,3 | −17,25 | −21,2 | −3 | +2 | | | |
| 16 | +2,938 | +33,2 | −19,40 | −21,5 | −3 | +2 | | | |
| 26 | +3,272 | +33,0 | −21,55 | −21,3 | −3 | +2 | | | |
| 36 | +3,598 | +31,9 | −23,65 | −20,4 | −3 | +2 | | | |

Diei reducto addendum est:

ante } Sept. 16 { + 1
post } Sept. 16 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 13 13 7,306 | — 9 57 19,78 | 1780 | Jan. 1 | 13 13 36,715 | — 10 0 21,38 |
| | Apr. 10 | 7,284 | 19,35 | | Apr. 10 | 36,761 | 21,92 |
| | Jul. 19 | 7,254 | 18,88 | | Jul. 19 | 36,814 | 22,48 |
| | Oct. 27 | 7,216 | 18,37 | | Oct. 27 | 36,874 | 23,06 |
| | Dec. 66 | 7,169 | 17,82 | | Dec. 66 | 36,940 | 23,67 |
| 1771 | Jan. 0 | 13 13 10,325 | — 9 57 37,11 | 1781 | Jan. 0 | 13 13 40,058 | — 10 0 42,55 |
| | Apr. 10 | 10,273 | 36,54 | | Apr. 10 | 40,128 | 43,17 |
| | Jul. 19 | 10,213 | 35,94 | | Jul. 19 | 40,203 | 43,79 |
| | Oct. 27 | 10,146 | 35,33 | | Oct. 27 | 40,283 | 44,41 |
| | Dec. 66 | 10,072 | 34,69 | | Dec. 66 | 40,368 | 45,04 |
| 1772 | Jan. 1 | 13 13 13,237 | — 9 57 54,00 | 1782 | Jan. 0 | 13 13 43,480 | — 10 1 3,92 |
| | Apr. 10 | 13,159 | 53,35 | | Apr. 10 | 43,568 | 4,54 |
| | Jul. 19 | 13,076 | 52,71 | | Jul. 19 | 43,658 | 5,15 |
| | Oct. 27 | 12,988 | 52,06 | | Oct. 27 | 43,750 | 5,75 |
| | Dec. 66 | 12,896 | 51,40 | | Dec. 66 | 43,844 | 6,34 |
| 1773 | Jan. 0 | 13 13 16,067 | — 9 58 10,72 | 1783 | Jan. 0 | 13 13 46,953 | — 10 1 25,23 |
| | Apr. 10 | 15,972 | 10,08 | | Apr. 10 | 47,048 | 25,80 |
| | Jul. 19 | 15,876 | 9,45 | | Jul. 19 | 47,143 | 26,34 |
| | Oct. 27 | 15,778 | 8,85 | | Oct. 27 | 47,237 | 26,85 |
| | Dec. 66 | 15,678 | 8,26 | | Dec. 66 | 47,330 | 27,33 |
| 1774 | Jan. 0 | 13 13 18,851 | — 9 58 27,55 | 1784 | Jan. 1 | 13 13 50,440 | — 10 1 46,25 |
| | Apr. 10 | 18,751 | 26,98 | | Apr. 10 | 50,533 | 46,71 |
| | Jul. 19 | 18,653 | 26,45 | | Jul. 19 | 50,623 | 47,12 |
| | Oct. 27 | 18,556 | 25,96 | | Oct. 27 | 50,709 | 47,49 |
| | Dec. 66 | 18,461 | 25,51 | | Dec. 66 | 50,793 | 47,81 |
| 1775 | Jan. 0 | 13 13 21,633 | — 9 58 44,75 | 1785 | Jan. 0 | 13 13 53,907 | — 10 2 6,79 |
| | Apr. 10 | 21,540 | 44,33 | | Apr. 10 | 53,987 | 7,08 |
| | Jul. 19 | 21,451 | 43,97 | | Jul. 19 | 54,062 | 7,31 |
| | Oct. 27 | 21,367 | 43,65 | | Oct. 27 | 54,131 | 7,50 |
| | Dec. 66 | 21,288 | 43,39 | | Dec. 66 | 54,195 | 7,63 |
| 1776 | Jan. 1 | 13 13 24,454 | — 9 59 2,57 | 1786 | Jan. 0 | 13 13 57,316 | — 10 2 26,67 |
| | Apr. 10 | 24,379 | 2,35 | | Apr. 10 | 57,375 | 26,76 |
| | Jul. 19 | 24,311 | 2,18 | | Jul. 19 | 57,428 | 26,80 |
| | Oct. 27 | 24,250 | 2,08 | | Oct. 27 | 57,473 | 26,77 |
| | Dec. 66 | 24,196 | 2,03 | | Dec. 66 | 57,511 | 26,69 |
| 1777 | Jan. 0 | 13 13 27,353 | — 9 59 21,14 | 1787 | Jan. 0 | 13 14 0,639 | — 10 2 45,80 |
| | Apr. 10 | 27,304 | 21,13 | | Apr. 10 | 0,670 | 45,68 |
| | Jul. 19 | 27,264 | 21,19 | | Jul. 19 | 0,693 | 45,51 |
| | Oct. 27 | 27,232 | 21,30 | | Oct. 27 | 0,707 | 45,28 |
| | Dec. 66 | 27,209 | 21,48 | | Dec. 66 | 0,713 | 44,99 |
| 1778 | Jan. 0 | 13 13 30,357 | — 9 59 40,51 | 1788 | Jan. 1 | 13 14 3,854 | — 10 3 4,17 |
| | Apr. 10 | 30,340 | 40,72 | | Apr. 10 | 3,853 | 3,84 |
| | Jul. 19 | 30,331 | 40,99 | | Jul. 19 | 3,843 | 3,47 |
| | Oct. 27 | 30,332 | 41,30 | | Oct. 27 | 3,824 | 3,05 |
| | Dec. 66 | 30,341 | 41,67 | | Dec. 66 | 3,796 | 2,59 |
| 1779 | Jan. 0 | 13 13 33,478 | — 10 0 0,63 | 1789 | Jan. 0 | 13 14 6,948 | — 10 3 21,82 |
| | Apr. 10 | 33,493 | 1,03 | | Apr. 10 | 6,915 | 21,34 |
| | Jul. 19 | 33,517 | 1,47 | | Jul. 19 | 6,873 | 20,80 |
| | Oct. 27 | 33,549 | 1,95 | | Oct. 27 | 6,823 | 20,24 |
| | Dec. 66 | 33,589 | 2,46 | | Dec. 66 | 6,765 | 19,65 |

## Tabulae X. Sect. II. *α Virginis.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,191 | +33,4 | + 2,13 | −20,2 | −3 | +2 | 1770 | 13 13 6,2634 | − 9 57 14,425 |
| 10 | +0,143 | +33,1 | + 0,03 | −20,5 | −3 | +2 | 1771 | 13 9,4032 | 57 33,528 |
| 20 | +0,470 | +31,9 | − 1,96 | −20,1 | −3 | +2 | 1772 | 13 12,5431 | 57 52,628 |
| 30 | +0,780 | +29,8 | − 3,94 | −19,2 | −3 | +2 | 1773 | 13 15,6331 | 58 11,728 |
| Febr. 9 | +1,065 | +27,0 | − 5,80 | −17,8 | −2 | +2 | 1774 | 13 18,8232 | 58 30,826 |
| | | | | | | | 1775 | 13 21,9634 | 58 49,923 |
| 19 | +1,319 | +23,8 | − 7,49 | −15,9 | −2 | +2 | 1776 | 13 25,1037 | 59 9,018 |
| Mart. 1 | +1,540 | +20,3 | − 8,98 | −13,8 | −2 | +2 | 1777 | 13 28,2442 | 59 28,112 |
| 11 | +1,724 | +16,6 | −10,24 | −11,5 | −1 | +2 | 1778 | 13 31,3848 | 59 47,204 |
| 21 | +1,872 | +13,1 | −11,27 | − 9,2 | 0 | +2 | 1779 | 13 34,5255 | −10 0 6,295 |
| 31 | +1,986 | + 9,7 | −12,08 | − 7,0 | 0 | +1 | 1780 | 13 37,6663 | 0 25,384 |
| | | | | | | | 1781 | 13 40,8072 | 0 44,472 |
| Apr. 10 | +2,066 | + 6,6 | −12,66 | − 4,9 | +1 | +1 | 1782 | 13 43,9482 | 1 3,558 |
| 20 | +2,117 | + 3,8 | −13,05 | − 3,0 | +1 | +1 | 1783 | 13 47,0893 | 1 22,642 |
| 30 | +2,141 | + 1,2 | −13,25 | − 1,3 | +2 | +1 | 1784 | 13 50,2305 | 1 41,725 |
| Maj. 10 | +2,140 | − 1,2 | −13,30 | + 0,2 | +2 | 0 | 1785 | 13 53,3719 | 2 0,806 |
| 20 | +2,118 | − 3,2 | −13,21 | + 1,6 | +3 | 0 | 1786 | 13 56,5134 | 2 19,886 |
| | | | | | | | 1787 | 13 59,6550 | 2 38,964 |
| 30 | +2,076 | − 5,1 | −12,99 | + 2,7 | +3 | 0 | 1788 | 14 2,7967 | 2 58,041 |
| Jun. 9 | +2,017 | − 6,6 | −12,68 | + 3,6 | +3 | 0 | 1789 | 14 5,9385 | 3 17,116 |
| 19 | +1,944 | − 8,0 | −12,28 | + 4,4 | +3 | −1 | 1790 | 14 9,0804 | 3 36,190 |
| 29 | +1,857 | − 9,3 | −11,81 | + 5,1 | +4 | −1 | | | |
| Jul. 9 | +1,759 | −10,2 | −11,27 | + 5,6 | +4 | −1 | | | |
| 19 | +1,653 | −10,8 | −10,69 | + 6,0 | +4 | −1 | | | |
| 29 | +1,543 | −11,0 | −10,07 | + 6,3 | +3 | −1 | | | |
| Aug. 8 | +1,433 | −10,8 | − 9,44 | + 6,3 | +3 | −1 | | | |
| 18 | +1,328 | −10,0 | − 8,82 | + 6,0 | +3 | −1 | | | |
| 28 | +1,234 | − 8,6 | − 8,24 | + 5,5 | +3 | −1 | | | |
| Sept. 7 | +1,157 | − 6,5 | − 7,73 | + 4,6 | +2 | −1 | | | |
| 17 | +1,104 | − 3,8 | − 7,33 | + 3,3 | +2 | −1 | | | |
| 27 | +1,082 | − 0,4 | − 7,08 | + 1,6 | +1 | 0 | | | |
| Oct. 7 | +1,096 | + 3,6 | − 7,02 | − 0,6 | +1 | 0 | | | |
| 17 | +1,153 | + 8,0 | − 7,19 | − 3,0 | 0 | 0 | | | |
| 27 | +1,255 | +12,6 | − 7,61 | − 5,6 | 0 | +1 | | | |
| Nov. 6 | +1,404 | +17,2 | − 8,31 | − 8,4 | −1 | +1 | | | |
| 16 | +1,599 | +21,7 | − 9,29 | −11,3 | −1 | +2 | | | |
| 26 | +1,837 | +25,7 | −10,56 | −13,9 | −1 | +2 | | | |
| Dec. 6 | +2,112 | +29,0 | −12,07 | −16,3 | −2 | +3 | | | |
| 16 | +2,417 | +31,5 | −13,81 | −18,2 | −2 | +3 | | | |
| 26 | +2,741 | +32,9 | −15,71 | −19,6 | −2 | +3 | | | |
| 36 | +3,075 | +33,4 | −17,72 | −20,4 | −2 | +4 | | | |

Diei reducto addendum est:

ante } Oct. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Bootis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 14 5 11,506 | +20 23 14,37 | 1780 | Jan. 1 | 14 5 37,258 | +20 20 10,06 |
| | Apr. 10 | 11,462 | 14,95 | | Apr. 10 | 37,320 | 9,41 |
| | Jul. 19 | 11,412 | 15,55 | | Jul. 19 | 37,387 | 8,76 |
| | Oct. 27 | 11,355 | 16,18 | | Oct. 27 | 37,458 | 8,10 |
| | Dec. 66 | 11,291 | 16,84 | | Dec. 66 | 37,534 | 7,43 |
| 1771 | Jan. 0 | 14 5 14,045 | +20 22 57,50 | 1781 | Jan. 0 | 14 5 40,240 | +20 19 48,56 |
| | Apr. 10 | 13,977 | 58,17 | | Apr. 10 | 40,319 | 47,88 |
| | Jul. 19 | 13,905 | 58,85 | | Jul. 19 | 40,400 | 47,22 |
| | Oct. 27 | 13,828 | 59,54 | | Oct. 27 | 40,483 | 46,57 |
| | Dec. 66 | 13,746 | 23 0,23 | | Dec. 66 | 40,568 | 45,94 |
| 1772 | Jan. 1 | 14 5 16,505 | +20 22 40,89 | 1782 | Jan. 0 | 14 5 43,271 | +20 19 27,06 |
| | Apr. 10 | 16,421 | 41,58 | | Apr. 10 | 43,357 | 26,44 |
| | Jul. 19 | 16,335 | 42,25 | | Jul. 19 | 43,443 | 25,84 |
| | Oct. 27 | 16,247 | 42,91 | | Oct. 27 | 43,529 | 25,28 |
| | Dec. 66 | 16,156 | 43,56 | | Dec. 66 | 43,614 | 24,74 |
| 1773 | Jan. 0 | 14 5 18,918 | +20 22 24,23 | 1783 | Jan. 0 | 14 5 46,318 | +20 19 5,82 |
| | Apr. 10 | 18,827 | 24,86 | | Apr. 10 | 46,403 | 5,31 |
| | Jul. 19 | 18,737 | 25,45 | | Jul. 19 | 46,485 | 4,85 |
| | Oct. 27 | 18,648 | 25,00 | | Oct. 27 | 46,564 | 4,43 |
| | Dec. 66 | 18,561 | 26,52 | | Dec. 66 | 46,641 | 4,05 |
| 1774 | Jan. 0 | 14 5 21,321 | +20 22 7,24 | 1784 | Jan. 1 | 14 5 49,347 | +20 18 45,08 |
| | Apr. 10 | 21,235 | 7,73 | | Apr. 10 | 49,421 | 44,74 |
| | Jul. 19 | 21,152 | 8,16 | | Jul. 19 | 49,491 | 44,45 |
| | Oct. 27 | 21,074 | 8,54 | | Oct. 27 | 49,556 | 44,21 |
| | Dec. 66 | 20,999 | 8,87 | | Dec. 66 | 49,616 | 44,03 |
| 1775 | Jan. 0 | 14 5 23,755 | +20 21 49,66 | 1785 | Jan. 0 | 14 5 52,329 | +20 18 25,00 |
| | Apr. 10 | 23,683 | 49,95 | | Apr. 10 | 52,385 | 24,86 |
| | Jul. 19 | 23,618 | 50,17 | | Jul. 19 | 52,434 | 24,78 |
| | Oct. 27 | 23,558 | 50,34 | | Oct. 27 | 52,477 | 24,76 |
| | Dec. 66 | 23,505 | 50,44 | | Dec. 66 | 52,514 | 24,80 |
| 1776 | Jan. 1 | 14 5 26,254 | +20 21 31,30 | 1786 | Jan. 0 | 14 5 55,234 | +20 18 5,70 |
| | Apr. 10 | 26,205 | 31,36 | | Apr. 10 | 55,266 | 5,78 |
| | Jul. 19 | 26,164 | 31,35 | | Jul. 19 | 55,290 | 5,92 |
| | Oct. 27 | 26,131 | 31,28 | | Oct. 27 | 55,306 | 6,12 |
| | Dec. 66 | 26,106 | 31,15 | | Dec. 66 | 55,315 | 6,38 |
| 1777 | Jan. 0 | 14 5 28,845 | +20 21 12,10 | 1787 | Jan. 0 | 14 5 58,045 | +20 17 47,21 |
| | Apr. 10 | 28,825 | 11,92 | | Apr. 10 | 58,048 | 47,51 |
| | Jul. 19 | 28,814 | 11,68 | | Jul. 19 | 58,043 | 47,86 |
| | Oct. 27 | 28,810 | 11,38 | | Oct. 27 | 58,030 | 48,26 |
| | Dec. 66 | 28,815 | 11,02 | | Dec. 66 | 58,009 | 48,72 |
| 1778 | Jan. 0 | 14 5 31,545 | +20 20 52,04 | 1788 | Jan. 1 | 14 6 0,748 | +20 17 29,48 |
| | Apr. 10 | 31,555 | 51,66 | | Apr. 10 | 0,722 | 29,97 |
| | Jul. 19 | 31,573 | 51,24 | | Jul. 19 | 0,688 | 30,49 |
| | Oct. 27 | 31,599 | 50,76 | | Oct. 27 | 0,647 | 31,06 |
| | Dec. 66 | 31,633 | 50,23 | | Dec. 66 | 0,598 | 31,66 |
| 1779 | Jan. 0 | 14 5 34,353 | +20 20 31,31 | 1789 | Jan. 0 | 14 6 3,347 | +20 17 12,38 |
| | Apr. 10 | 34,392 | 30,76 | | Apr. 10 | 3,293 | 13,00 |
| | Jul. 19 | 34,437 | 30,19 | | Jul. 19 | 3,233 | 13,64 |
| | Oct. 27 | 34,488 | 29,58 | | Oct. 27 | 3,168 | 14,31 |
| | Dec. 66 | 34,546 | 28,95 | | Dec. 66 | 3,096 | 14,99 |

## Tabulae X. Sect. II. *α Bootis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,534 | +32,3 | − 7,64 | −24,3 | −3 | +2 |
| 10 | −0,208 | +32,9 | − 9,95 | −21,6 | −3 | +2 |
| 20 | +0,124 | +33,0 | −11,96 | −18,3 | −3 | +2 |
| 30 | +0,451 | +32,0 | −13,60 | −14,4 | −3 | +2 |
| Febr. 9 | +0,763 | +30,1 | −14,83 | −10,1 | −3 | +1 |
| 19 | +1,053 | +27,6 | −15,61 | − 5,6 | −3 | +1 |
| Mart. 1 | +1,314 | +24,6 | −15,95 | − 1,2 | −2 | +1 |
| 11 | +1,544 | +21,3 | −15,85 | + 3,0 | −2 | 0 |
| 21 | +1,739 | +17,7 | −15,35 | + 6,8 | −2 | 0 |
| 31 | +1,898 | +14,2 | −14,50 | +10,0 | −1 | 0 |
| Apr. 10 | +2,022 | +10,7 | −13,36 | +12,6 | −1 | −1 |
| 20 | +2,112 | + 7,4 | −11,99 | +14,4 | 0 | −1 |
| 30 | +2,170 | + 4,3 | −10,48 | +15,5 | 0 | −1 |
| Maj. 10 | +2,198 | + 1,4 | − 8,89 | +16,0 | +1 | −1 |
| 20 | +2,198 | − 1,3 | − 7,29 | +15,7 | +1 | −1 |
| 30 | +2,172 | − 3,8 | − 5,75 | +14,9 | +1 | −1 |
| Jun. 9 | +2,122 | − 6,1 | − 4,31 | +13,7 | +2 | −1 |
| 19 | +2,050 | − 8,2 | − 3,02 | +11,9 | +2 | −1 |
| 29 | +1,958 | −10,1 | − 1,93 | + 9,9 | +2 | −1 |
| Jul. 9 | +1,849 | −11,7 | − 1,05 | + 7,6 | +3 | −1 |
| 19 | +1,725 | −12,9 | − 0,42 | + 5,1 | +3 | 0 |
| 29 | +1,591 | −13,8 | − 0,04 | + 2,4 | +3 | 0 |
| Aug. 8 | +1,449 | −14,3 | + 0,06 | − 0,4 | +3 | 0 |
| 18 | +1,306 | −14,1 | − 0,12 | − 3,3 | +3 | 0 |
| 28 | +1,168 | −13,3 | − 0,59 | − 6,2 | +3 | +1 |
| Sept. 7 | +1,040 | −11,9 | − 1,35 | − 9,1 | +2 | +1 |
| 17 | +0,931 | − 9,7 | − 2,41 | −12,0 | +2 | +2 |
| 27 | +0,847 | − 6,8 | − 3,75 | −14,9 | +2 | +2 |
| Oct. 7 | +0,796 | − 3,1 | − 5,38 | −17,7 | +1 | +2 |
| 17 | +0,785 | + 1,2 | − 7,28 | −20,3 | +1 | +3 |
| 27 | +0,819 | + 5,8 | − 9,44 | −22,7 | 0 | +3 |
| Nov. 6 | +0,900 | +10,7 | −11,82 | −24,7 | 0 | +4 |
| 16 | +1,032 | +15,7 | −14,37 | −26,2 | −1 | +4 |
| 26 | +1,213 | +20,3 | −17,06 | −27,2 | −1 | +4 |
| Dec. 6 | +1,438 | +24,6 | −19,80 | −27,4 | −2 | +4 |
| 16 | +1,704 | +28,1 | −22,54 | −26,9 | −2 | +5 |
| 26 | +2,000 | +30,8 | −25,18 | −25,5 | −2 | +5 |
| 36 | +2,319 | +32,5 | −27,64 | −23,4 | −3 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 14 5 10,6508 | +20 23 18,597 |
| 1771 | 5 13,3825 | 22 59,482 |
| 1772 | 5 16,1142 | 22 40,368 |
| 1773 | 5 18,8459 | 22 21,256 |
| 1774 | 5 21,5776 | 22 2,146 |
| 1775 | 5 24,3093 | 21 43,038 |
| 1776 | 5 27,0410 | 21 23,932 |
| 1777 | 5 29,7727 | 21 4,829 |
| 1778 | 5 32,5045 | 20 45,728 |
| 1779 | 5 35,2363 | 20 26,629 |
| 1780 | 5 37,9681 | 20 7,532 |
| 1781 | 5 40,6999 | 19 48,437 |
| 1782 | 5 43,4317 | 19 29,344 |
| 1783 | 5 46,1635 | 19 10,254 |
| 1784 | 5 48,8953 | 18 51,166 |
| 1785 | 5 51,6272 | 18 32,080 |
| 1786 | 5 54,3591 | 18 12,996 |
| 1787 | 5 57,0910 | 17 53,914 |
| 1788 | 5 59,8229 | 17 34,835 |
| 1789 | 6 2,5548 | 17 15,757 |
| 1790 | 6 5,2867 | 16 56,682 |

Diei reducto addendum est:

ante } Oct. 26 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. 1 *a* *Librae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 14 38 1,200 | — 15 1 42,56 | 1780 | Jan. 1 | 14 38 32,017 | — 15 4 13,07 |
| | Apr. 10 | 1,179 | 41,90 | | Apr. 10 | 32,063 | 13,77 |
| | Jul. 19 | 1,150 | 41,23 | | Jul. 19 | 32,117 | 14,47 |
| | Oct. 27 | 1,111 | 40,54 | | Oct. 27 | 32,178 | 15,17 |
| | Dec. 66 | 1,063 | 39,83 | | Dec. 66 | 32,247 | 15,86 |
| 1771 | Jan. 0 | 14 38 4,372 | — 15 1 55,62 | 1781 | Jan. 0 | 14 38 35,516 | — 15 4 31,16 |
| | Apr. 10 | 4,318 | 54,91 | | Apr. 10 | 35,589 | 31,85 |
| | Jul. 19 | 4,256 | 54,19 | | Jul. 19 | 35,667 | 32,52 |
| | Oct. 27 | 4,187 | 53,48 | | Oct. 27 | 35,750 | 33,16 |
| | Dec. 66 | 4,111 | 52,77 | | Dec. 66 | 35,839 | 33,79 |
| 1772 | Jan. 1 | 14 38 7,429 | — 15 2 8,56 | 1782 | Jan. 0 | 14 38 39,102 | — 15 4 49,11 |
| | Apr. 10 | 7,348 | 7,86 | | Apr. 10 | 39,193 | 49,71 |
| | Jul. 19 | 7,261 | 7,19 | | Jul. 19 | 39,287 | 50,28 |
| | Oct. 27 | 7,170 | 6,54 | | Oct. 27 | 39,383 | 50,80 |
| | Dec. 66 | 7,073 | 5,92 | | Dec. 66 | 39,482 | 51,30 |
| 1773 | Jan. 0 | 14 38 10,398 | — 15 2 21,67 | 1783 | Jan. 0 | 14 38 42,742 | — 15 5 6,66 |
| | Apr. 10 | 10,299 | 21,07 | | Apr. 10 | 42,842 | 7,12 |
| | Jul. 19 | 10,198 | 20,52 | | Jul. 19 | 42,941 | 7,53 |
| | Oct. 27 | 10,095 | 20,02 | | Oct. 27 | 43,040 | 7,83 |
| | Dec. 66 | 9,990 | 19,56 | | Dec. 66 | 43,139 | 8,19 |
| 1774 | Jan. 0 | 14 38 13,317 | — 15 2 35,26 | 1784 | Jan. 1 | 14 38 46,399 | — 15 5 23,61 |
| | Apr. 10 | 13,212 | 34,83 | | Apr. 10 | 46,497 | 23,87 |
| | Jul. 19 | 13,109 | 34,47 | | Jul. 19 | 46,592 | 24,08 |
| | Oct. 27 | 13,007 | 34,17 | | Oct. 27 | 46,684 | 24,22 |
| | Dec. 66 | 12,906 | 33,93 | | Dec. 66 | 46,772 | 24,30 |
| 1775 | Jan. 0 | 14 38 16,232 | — 15 2 49,54 | 1785 | Jan. 0 | 14 38 50,037 | — 15 5 39,80 |
| | Apr. 10 | 16,133 | 49,35 | | Apr. 10 | 50,122 | 39,84 |
| | Jul. 19 | 16,039 | 49,22 | | Jul. 19 | 50,202 | 39,82 |
| | Oct. 27 | 15,950 | 49,16 | | Oct. 27 | 50,276 | 39,73 |
| | Dec. 66 | 15,866 | 49,16 | | Dec. 66 | 50,344 | 39,58 |
| 1776 | Jan. 1 | 14 38 19,186 | — 15 3 4,69 | 1786 | Jan. 0 | 14 38 53,616 | — 15 5 55,15 |
| | Apr. 10 | 19,106 | 4,74 | | Apr. 10 | 53,680 | 54,96 |
| | Jul. 19 | 19,033 | 4,86 | | Jul. 19 | 53,736 | 54,71 |
| | Oct. 27 | 18,967 | 5,04 | | Oct. 27 | 53,784 | 54,40 |
| | Dec. 66 | 18,909 | 5,29 | | Dec. 66 | 53,825 | 54,03 |
| 1777 | Jan. 0 | 14 38 22,220 | — 15 3 20,74 | 1787 | Jan. 0 | 14 38 57,106 | — 15 6 9,67 |
| | Apr. 10 | 22,167 | 21,03 | | Apr. 10 | 57,141 | 9,26 |
| | Jul. 19 | 22,123 | 21,37 | | Jul. 19 | 57,167 | 8,81 |
| | Oct. 27 | 22,088 | 21,77 | | Oct. 27 | 57,183 | 8,31 |
| | Dec. 66 | 22,062 | 22,23 | | Dec. 66 | 57,190 | 7,76 |
| 1778 | Jan. 0 | 14 38 25,362 | — 15 3 37,61 | 1788 | Jan. 1 | 14 39 0,483 | — 15 6 23,45 |
| | Apr. 10 | 25,342 | 38,10 | | Apr. 10 | 0,484 | 22,87 |
| | Jul. 19 | 25,332 | 38,63 | | Jul. 19 | 0,476 | 22,26 |
| | Oct. 27 | 25,331 | 39,20 | | Oct. 27 | 0,458 | 21,62 |
| | Dec. 66 | 25,339 | 39,81 | | Dec. 66 | 0,430 | 20,95 |
| 1779 | Jan. 0 | 14 38 28,628 | — 15 3 55,13 | 1789 | Jan. 0 | 14 39 3,735 | — 15 6 36,68 |
| | Apr. 10 | 28,643 | 55,77 | | Apr. 10 | 3,701 | 35,99 |
| | Jul. 19 | 28,666 | 56,42 | | Jul. 19 | 3,658 | 35,29 |
| | Oct. 27 | 28,698 | 57,09 | | Oct. 27 | 3,607 | 34,58 |
| | Dec. 66 | 28,738 | 57,77 | | Dec. 66 | 3,548 | 33,85 |

## Tabulae X. Sect. II. 1*a* *Librae.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,674 | +31,7 | + 3,41 | −15,5 | −3 | +1 |
| 10 | −0,349 | +32,9 | + 1,80 | −16,4 | −3 | +1 |
| 20 | −0,016 | +33,2 | + 0,13 | −16,8 | −3 | +2 |
| 30 | +0,315 | +32,6 | − 1,56 | −16,7 | −3 | +2 |
| Febr. 9 | +0,636 | +31,2 | − 3,20 | −16,0 | −3 | +2 |
| 19 | +0,939 | +29,2 | − 4,75 | −14,8 | −3 | +2 |
| Mart. 1 | +1,220 | +26,8 | − 6,16 | −13,3 | −2 | +2 |
| 11 | +1,475 | +24,1 | − 7,41 | −11,6 | −2 | +3 |
| 21 | +1,702 | +21,3 | − 8,48 | − 9,8 | −1 | +3 |
| 31 | +1,900 | +18,4 | − 9,36 | − 7,9 | −1 | +3 |
| Apr. 10 | +2,069 | +15,4 | −10,06 | − 6,2 | 0 | +2 |
| 20 | +2,208 | +12,6 | −10,59 | − 4,5 | 0 | +2 |
| 30 | +2,320 | + 9,8 | −10,96 | − 3,0 | +1 | +2 |
| Maj. 10 | +2,403 | + 6,9 | −11,19 | − 1,7 | +1 | +2 |
| 20 | +2,458 | + 4,2 | −11,30 | − 0,6 | +2 | +2 |
| 30 | +2,487 | + 1,6 | −11,31 | + 0,4 | +2 | +2 |
| Jun. 9 | +2,489 | − 1,2 | −11,23 | + 1,3 | +3 | +2 |
| 19 | +2,464 | − 3,8 | −11,06 | + 2,0 | +3 | +1 |
| 29 | +2,414 | − 6,3 | −10,83 | + 2,7 | +4 | +1 |
| Jul. 9 | +2,339 | − 8,6 | −10,52 | + 3,4 | +4 | +1 |
| 19 | +2,242 | −10,6 | −10,16 | + 3,9 | +4 | +1 |
| 29 | +2,127 | −12,2 | − 9,74 | + 4,4 | +4 | +1 |
| Aug. 8 | +1,998 | −13,4 | − 9,28 | + 4,9 | +4 | 0 |
| 18 | +1,860 | −13,9 | − 8,77 | + 5,1 | +4 | 0 |
| 28 | +1,720 | −13,7 | − 8,25 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,586 | −12,7 | − 7,73 | + 5,0 | +3 | 0 |
| 17 | +1,467 | −10,8 | − 7,25 | + 4,5 | +3 | 0 |
| 27 | +1,370 | − 8,1 | − 6,83 | + 3,7 | +3 | 0 |
| Oct. 7 | +1,305 | − 4,6 | − 6,51 | + 2,5 | +2 | 0 |
| 17 | +1,279 | − 0,4 | − 6,33 | + 0,9 | +2 | +1 |
| 27 | +1,298 | + 4,4 | − 6,34 | − 1,1 | +1 | +1 |
| Nov. 6 | +1,367 | + 9,4 | − 6,55 | − 3,3 | +1 | +1 |
| 16 | +1,486 | +14,5 | − 6,99 | − 5,7 | 0 | +2 |
| 26 | +1,657 | +19,4 | − 7,69 | − 8,2 | 0 | +2 |
| Dec. 6 | +1,874 | +23,8 | − 8,63 | −10,6 | −1 | +3 |
| 16 | +2,132 | +27,5 | − 9,81 | −12,8 | −1 | +3 |
| 26 | +2,424 | +30,4 | −11,18 | −14,5 | −1 | +4 |
| 36 | +2,739 | +32,3 | −12,71 | −15,9 | −2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 14 38 0,1012 | − 15 1 39,152 |
| 1771 | 38 3,3927 | 1 54,711 |
| 1772 | 38 6,6844 | 2 10,266 |
| 1773 | 38 9,9763 | 2 25,819 |
| 1774 | 38 13,2683 | 2 41,368 |
| 1775 | 38 16,5605 | 2 56,914 |
| 1776 | 38 19,8528 | 3 12,457 |
| 1777 | 38 23,1453 | 3 27,997 |
| 1778 | 38 26,4379 | 3 43,534 |
| 1779 | 38 29,7307 | 3 59,067 |
| 1780 | 38 33,0237 | 4 14,598 |
| 1781 | 38 36,3168 | 4 30,125 |
| 1782 | 38 39,6101 | 4 45,650 |
| 1783 | 38 42,9035 | 5 1,171 |
| 1784 | 38 46,1971 | 5 16,689 |
| 1785 | 38 49,4908 | 5 32,204 |
| 1786 | 38 52,7847 | 5 47,716 |
| 1787 | 38 56,0787 | 6 3,225 |
| 1788 | 38 59,3729 | 6 18,730 |
| 1789 | 39 2,6673 | 6 34,233 |
| 1790 | 39 5,9618 | 6 49,732 |

Diei reducto addendum est:

ante } Nov. 4 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. 2a *Librae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 14 38 12,463 | — 15 4 25,82 | 1780 | Jan. 1 | 14 38 43,299 | — 15 6 56,05 |
| | Apr. 10 | 12,443 | 25,16 | | Apr. 10 | 43,345 | 56,75 |
| | Jul. 19 | 12,413 | 24,49 | | Jul. 19 | 43,399 | 57,45 |
| | Oct. 27 | 12,374 | 23,80 | | Oct. 27 | 43,460 | 58,14 |
| | Dec. 66 | 12,326 | 23,08 | | Dec. 66 | 43,529 | 58,84 |
| 1771 | Jan. 0 | 14 38 15,637 | — 15 4 38,85 | 1781 | Jan. 0 | 14 38 46,800 | — 15 7 14,11 |
| | Apr. 10 | 15,583 | 38,13 | | Apr. 10 | 46,873 | 14,79 |
| | Jul. 19 | 15,522 | 37,42 | | Jul. 19 | 46,951 | 15,46 |
| | Oct. 27 | 15,453 | 36,71 | | Oct. 27 | 47,034 | 16,11 |
| | Dec. 66 | 15,376 | 36,00 | | Dec. 66 | 47,123 | 16,74 |
| 1772 | Jan. 1 | 14 38 18,696 | — 15 4 51,76 | 1782 | Jan. 0 | 14 38 50,388 | — 15 7 32,02 |
| | Apr. 10 | 18,615 | 51,06 | | Apr. 10 | 50,479 | 32,63 |
| | Jul. 19 | 18,529 | 50,39 | | Jul. 19 | 50,573 | 33,20 |
| | Oct. 27 | 18,438 | 49,74 | | Oct. 27 | 50,669 | 33,73 |
| | Dec. 66 | 18,341 | 49,11 | | Dec. 66 | 50,768 | 34,22 |
| 1773 | Jan. 0 | 14 38 21,667 | — 15 5 4,84 | 1783 | Jan. 0 | 14 38 54,030 | — 15 7 49,55 |
| | Apr. 10 | 21,568 | 4,25 | | Apr. 10 | 54,230 | 50,01 |
| | Jul. 19 | 21,467 | 3,69 | | Jul. 19 | 54,229 | 50,42 |
| | Oct. 27 | 21,364 | 3,19 | | Oct. 27 | 54,328 | 50,77 |
| | Dec. 66 | 21,259 | 2,73 | | Dec. 66 | 54,427 | 51,07 |
| 1774 | Jan. 0 | 14 38 24,589 | — 15 5 18,39 | 1784 | Jan. 1 | 14 38 57,690 | — 15 8 6,47 |
| | Apr. 10 | 24,484 | 17,97 | | Apr. 10 | 57,788 | 6,73 |
| | Jul. 19 | 24,380 | 17,61 | | Jul. 19 | 57,882 | 6,93 |
| | Oct. 27 | 24,278 | 17,31 | | Oct. 27 | 57,974 | 7,08 |
| | Dec. 66 | 24,177 | 17,07 | | Dec. 66 | 58,063 | 7,16 |
| 1775 | Jan. 0 | 14 38 27,505 | — 15 5 32,66 | 1785 | Jan. 0 | 14 39 1,329 | — 15 8 22,62 |
| | Apr. 10 | 27,406 | 32,46 | | Apr. 10 | 1,415 | 22,66 |
| | Jul. 19 | 27,312 | 32,33 | | Jul. 19 | 1,495 | 22,64 |
| | Oct. 27 | 27,225 | 32,27 | | Oct. 27 | 1,569 | 22,55 |
| | Dec. 66 | 27,139 | 32,27 | | Dec. 66 | 1,637 | 22,41 |
| 1776 | Jan. 1 | 14 38 30,461 | — 15 5 47,78 | 1786 | Jan. 0 | 14 39 4,911 | — 15 8 37,94 |
| | Apr. 10 | 30,381 | 47,83 | | Apr. 10 | 4,975 | 37,75 |
| | Jul. 19 | 30,308 | 47,95 | | Jul. 19 | 5,031 | 37,50 |
| | Oct. 27 | 30,242 | 48,13 | | Oct. 27 | 5,079 | 37,19 |
| | Dec. 66 | 30,183 | 48,38 | | Dec. 66 | 5,120 | 36,82 |
| 1777 | Jan. 0 | 14 38 33,497 | — 15 6 3,80 | 1787 | Jan. 0 | 14 39 8,403 | — 15 8 52,43 |
| | Apr. 10 | 33,444 | 4,09 | | Apr. 10 | 8,438 | 52,02 |
| | Jul. 19 | 33,400 | 4,43 | | Jul. 19 | 8,463 | 51,57 |
| | Oct. 27 | 33,365 | 4,83 | | Oct. 27 | 8,480 | 51,07 |
| | Dec. 66 | 33,338 | 5,29 | | Dec. 66 | 8,487 | 50,52 |
| 1778 | Jan. 0 | 14 38 36,641 | — 15 6 20,64 | 1788 | Jan. 1 | 14 39 11,782 | — 15 9 6,18 |
| | Apr. 10 | 36,621 | 21,13 | | Apr. 10 | 11,783 | 5,60 |
| | Jul. 19 | 36,610 | 21,66 | | Jul. 19 | 11,774 | 4,99 |
| | Oct. 27 | 36,609 | 22,23 | | Oct. 27 | 11,755 | 4,35 |
| | Dec. 66 | 36,617 | 22,84 | | Dec. 66 | 11,727 | 3,68 |
| 1779 | Jan. 0 | 14 38 39,908 | — 15 6 38,13 | 1789 | Jan. 0 | 14 39 15,035 | — 15 9 19,38 |
| | Apr. 10 | 39,923 | 38,77 | | Apr. 10 | 15,001 | 18,69 |
| | Jul. 19 | 39,946 | 39,42 | | Jul. 19 | 14,959 | 17,99 |
| | Oct. 27 | 39,978 | 40,09 | | Oct. 27 | 14,908 | 17,27 |
| | Dec. 66 | 40,019 | 40,78 | | Dec. 66 | 14,848 | 16,55 |

## Tabulae X. Sect. II. 2a *Librae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,675 | +31,7 | + 3,42 | −15,4 | −3 | +1 | 1770 | 14 38 11,3642 | − 15 4 22,416 |
| 10 | −0,350 | +32,9 | + 1,81 | −16,4 | −3 | +1 | 1771 | 38 14,6577 | 4 37,945 |
| 20 | −0,017 | +33,2 | + 0,14 | −16,8 | −3 | +2 | 1772 | 38 17,9514 | 4 53,471 |
| 30 | +0,314 | +32,6 | − 1,54 | −16,6 | −3 | +2 | 1773 | 38 21,2452 | 5 8,994 |
| Febr. 9 | +0,635 | +31,2 | − 3,18 | −16,0 | −3 | +2 | 1774 | 38 24,5392 | 5 24,514 |
| | | | | | | | 1775 | 38 27,8334 | 5 40,031 |
| 19 | +0,938 | +29,3 | − 4,73 | −14,8 | −3 | +2 | 1776 | 38 31,1277 | 5 55,545 |
| Mart. 1 | +1,220 | +26,9 | − 6,14 | −13,3 | −2 | +2 | 1777 | 38 34,4222 | 6 11,056 |
| 11 | +1,475 | +24,1 | − 7,39 | −11,6 | −2 | +3 | 1778 | 38 37,7168 | 6 26,563 |
| 21 | +1,702 | +21,3 | − 8,46 | − 9,8 | −1 | +3 | 1779 | 38 41,0116 | 6 42,067 |
| 31 | +1,900 | +18,4 | − 9,35 | − 8,0 | −1 | +3 | 1780 | 38 44,3064 | 6 57,568 |
| | | | | | | | 1781 | 38 47,6015 | 7 13,066 |
| Apr. 10 | +2,069 | +15,5 | −10,05 | − 6,2 | 0 | +2 | 1782 | 38 50,8967 | 7 28,561 |
| 20 | +2,209 | +12,6 | −10,58 | − 4,5 | 0 | +2 | 1783 | 38 54,1921 | 7 44,053 |
| 30 | +2,320 | + 9,8 | −10,95 | − 3,0 | +1 | +2 | 1784 | 38 57,4876 | 7 59,541 |
| Maj. 10 | +2,404 | + 7,0 | −11,18 | − 1,7 | +1 | +2 | 1785 | 39 0,7833 | 8 15,027 |
| 20 | +2,460 | + 4,3 | −11,29 | − 0,6 | +2 | +2 | 1786 | 39 4,0791 | 8 30,509 |
| | | | | | | | 1787 | 39 7,3751 | 8 45,988 |
| 30 | +2,489 | + 1,5 | −11,30 | + 0,4 | +2 | +2 | 1788 | 39 10,6712 | 9 1,464 |
| Jun. 9 | +2,490 | − 1,2 | −11,22 | + 1,2 | +3 | +2 | 1789 | 39 13,9675 | 9 16,937 |
| 19 | +2,466 | − 3,7 | −11,06 | + 2,0 | +3 | +1 | 1790 | 39 17,2640 | 9 32,408 |
| 29 | +2,416 | − 6,3 | −10,82 | + 2,7 | +4 | +1 | | | |
| Jul. 9 | +2,341 | − 8,6 | −10,52 | + 3,3 | +4 | +1 | | | |
| 19 | +2,245 | −10,6 | −10,16 | + 3,9 | +4 | +1 | | | |
| 29 | +2,129 | −12,3 | − 9,74 | + 4,5 | +4 | +1 | | | |
| Aug. 8 | +2,000 | −13,4 | − 9,27 | + 4,9 | +4 | 0 | | | |
| 18 | +1,862 | −13,9 | − 8,77 | + 5,1 | +4 | 0 | | | |
| 28 | +1,722 | −13,7 | − 8,25 | + 5,2 | +4 | 0 | | | |
| Sept. 7 | +1,588 | −12,7 | − 7,73 | + 5,1 | +3 | 0 | | | |
| 17 | +1,468 | −10,8 | − 7,24 | + 4,6 | +3 | 0 | | | |
| 27 | +1,372 | − 8,1 | − 6,82 | + 3,7 | +3 | 0 | | | |
| Oct. 7 | +1,307 | − 4,6 | − 6,50 | + 2,5 | +2 | 0 | | | |
| 17 | +1,280 | − 0,4 | − 6,32 | + 0,9 | +2 | +1 | | | |
| 27 | +1,299 | + 4,4 | − 6,32 | − 1,1 | +1 | +1 | | | |
| Nov. 6 | +1,368 | + 9,5 | − 6,53 | − 3,3 | +1 | +1 | | | |
| 16 | +1,488 | +14,5 | − 6,97 | − 5,7 | 0 | +2 | | | |
| 26 | +1,658 | +19,4 | − 7,66 | − 8,2 | 0 | +2 | | | |
| Dec. 6 | +1,875 | +23,8 | − 8,60 | −10,6 | −1 | +3 | | | |
| 16 | +2,133 | +27,5 | − 9,77 | −12,7 | −1 | +3 | | | |
| 26 | +2,425 | +30,4 | −11,14 | −14,5 | −1 | +4 | | | |
| 36 | +2,740 | +32,3 | −12,67 | −15,9 | −2 | +4 | | | |

Diei reducto addendum est:

ante } Nov. 4 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Coronae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 15 24 58,119 | +27 30 0,19 | 1780 | Jan. 1 | 15 25 22,083 | +27 27 56,18 |
| | Apr. 10 | 58,078 | 0,93 | | Apr. 10 | 22,141 | 55,43 |
| | Jul. 19 | 58,031 | 1,68 | | Jul. 19 | 22,202 | 54,70 |
| | Oct. 27 | 57,977 | 2,41 | | Oct. 27 | 22,268 | 53,98 |
| | Dec. 66 | 57,918 | 3,19 | | Dec. 66 | 22,338 | 53,28 |
| 1771 | Jan. 0 | 15 25 0,474 | +27 29 50,31 | 1781 | Jan. 0 | 15 25 24,849 | +27 27 40,91 |
| | Apr. 10 | 0,411 | 51,07 | | Apr. 10 | 24,921 | 40,22 |
| | Jul. 19 | 0,344 | 51,81 | | Jul. 19 | 24,995 | 39,57 |
| | Oct. 27 | 0,273 | 52,53 | | Oct. 27 | 25,071 | 38,95 |
| | Dec. 66 | 0,198 | 53,24 | | Dec. 66 | 25,148 | 38,36 |
| 1772 | Jan. 1 | 15 25 2,758 | +27 29 40,38 | 1782 | Jan. 0 | 15 25 27,657 | +27 27 25,95 |
| | Apr. 10 | 2,681 | 41,07 | | Apr. 10 | 27,735 | 25,39 |
| | Jul. 19 | 2,602 | 41,71 | | Jul. 19 | 27,813 | 24,88 |
| | Oct. 27 | 2,522 | 42,32 | | Oct. 27 | 27,891 | 24,42 |
| | Dec. 66 | 2,440 | 42,89 | | Dec. 66 | 27,968 | 24,02 |
| 1773 | Jan. 0 | 15 25 5,004 | +27 29 30,08 | 1783 | Jan. 0 | 15 25 30,478 | +27 27 11,55 |
| | Apr. 10 | 4,921 | 30,62 | | Apr. 10 | 30,554 | 11,18 |
| | Jul. 19 | 4,840 | 31,10 | | Jul. 19 | 30,627 | 10,87 |
| | Oct. 27 | 4,760 | 31,52 | | Oct. 27 | 30,698 | 10,63 |
| | Dec. 66 | 4,681 | 31,88 | | Dec. 66 | 30,767 | 10,44 |
| 1774 | Jan. 0 | 15 25 7,243 | +27 29 19,14 | 1784 | Jan. 1 | 15 25 33,280 | +27 26 57,90 |
| | Apr. 10 | 7,165 | 19,46 | | Apr. 10 | 33,346 | 57,76 |
| | Jul. 19 | 7,091 | 19,71 | | Jul. 19 | 33,408 | 57,69 |
| | Oct. 27 | 7,021 | 19,89 | | Oct. 27 | 33,465 | 57,68 |
| | Dec. 66 | 6,955 | 20,00 | | Dec. 66 | 33,518 | 57,73 |
| 1775 | Jan. 0 | 15 25 9,512 | +27 29 7,35 | 1785 | Jan. 0 | 15 25 36,036 | +27 26 45,11 |
| | Apr. 10 | 9,449 | 7,41 | | Apr. 10 | 36,085 | 45,21 |
| | Jul. 19 | 9,391 | 7,40 | | Jul. 19 | 36,128 | 45,38 |
| | Oct. 27 | 9,338 | 7,32 | | Oct. 27 | 36,165 | 45,61 |
| | Dec. 66 | 9,291 | 7,17 | | Dec. 66 | 36,196 | 45,91 |
| 1776 | Jan. 1 | 15 25 11,841 | +27 28 54,61 | 1786 | Jan. 0 | 15 25 38,722 | +27 26 33,22 |
| | Apr. 10 | 11,800 | 54,41 | | Apr. 10 | 38,749 | 33,56 |
| | Jul. 19 | 11,765 | 54,14 | | Jul. 19 | 38,768 | 33,95 |
| | Oct. 27 | 11,738 | 53,82 | | Oct. 27 | 38,781 | 34,40 |
| | Dec. 66 | 11,717 | 53,42 | | Dec. 66 | 38,786 | 34,91 |
| 1777 | Jan. 0 | 15 25 14,258 | +27 28 40,94 | 1787 | Jan. 0 | 15 25 41,321 | +27 26 22,15 |
| | Apr. 10 | 14,242 | 40,51 | | Apr. 10 | 41,322 | 22,69 |
| | Jul. 19 | 14,234 | 40,02 | | Jul. 19 | 41,315 | 23,27 |
| | Oct. 27 | 14,234 | 39,49 | | Oct. 27 | 41,302 | 23,90 |
| | Dec. 66 | 14,240 | 38,90 | | Dec. 66 | 41,280 | 24,56 |
| 1778 | Jan. 0 | 15 25 16,772 | +27 28 26,49 | 1788 | Jan. 1 | 15 25 43,823 | +27 26 11,76 |
| | Apr. 10 | 16,782 | 25,88 | | Apr. 10 | 43,797 | 12,45 |
| | Jul. 19 | 16,802 | 25,23 | | Jul. 19 | 43,764 | 13,15 |
| | Oct. 27 | 16,827 | 24,55 | | Oct. 27 | 43,725 | 13,88 |
| | Dec. 66 | 16,860 | 23,84 | | Dec. 66 | 43,679 | 14,63 |
| 1779 | Jan. 0 | 15 25 19,384 | +27 28 11,48 | 1789 | Jan. 0 | 15 25 46,230 | +27 26 1,81 |
| | Apr. 10 | 19,421 | 10,75 | | Apr. 10 | 46,180 | 2,56 |
| | Jul. 19 | 19,464 | 10,02 | | Jul. 19 | 46,124 | 3,32 |
| | Oct. 27 | 19,512 | 9,28 | | Oct. 27 | 46,064 | 4,07 |
| | Dec. 66 | 19,566 | 8,53 | | Dec. 66 | 45,998 | 4,83 |

## Tabulae X. Sect. II. *α Coronae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,011 | +28,1 | − 7,81 | −27,4 | −2 | +2 | 1770 | 15 24 57,3569 | +27 30 2,300 |
| 10 | −0,715 | +30,7 | −10,44 | −24,8 | −2 | +2 | 1771 | 24 59,8920 | 29 49,670 |
| 20 | −0,398 | +32,3 | −12,76 | −21,3 | −2 | +2 | 1772 | 25 2,4261 | 29 37,043 |
| 30 | −0,070 | +32,9 | −14,70 | −17,1 | −3 | +2 | 1773 | 25 4,9622 | 29 24,419 |
| Febr. 9 | +0,260 | +32,7 | −16,18 | −12,3 | −3 | +1 | 1774 | 25 7,4974 | 29 11,798 |
| | | | | | | | 1775 | 25 10,0326 | 28 59,181 |
| 19 | +0,583 | +31,7 | −17,16 | − 7,2 | −3 | +1 | 1776 | 25 12,5678 | 28 46,566 |
| Mart. 1 | +0,893 | +29,9 | −17,62 | − 2,0 | −3 | +1 | 1777 | 25 15,1030 | 28 33,954 |
| 11 | +1,181 | +27,6 | −17,56 | + 3,1 | −3 | 0 | 1778 | 25 17,6383 | 28 21,345 |
| 21 | +1,445 | +25,0 | −17,00 | + 7,9 | −2 | 0 | 1779 | 25 20,1736 | 28 8,739 |
| 31 | +1,680 | +22,0 | −15,99 | +12,1 | −2 | 0 | 1780 | 25 22,7090 | 27 56,136 |
| | | | | | | | 1781 | 25 25,2443 | 27 43,536 |
| Apr. 10 | +1,884 | +18,8 | −14,58 | +15,8 | −2 | 0 | 1782 | 25 27,7797 | 27 30,939 |
| 20 | +2,056 | +15,6 | −12,84 | +18,6 | −1 | −1 | 1783 | 25 30,3151 | 27 18,345 |
| 30 | +2,195 | +12,3 | −10,86 | +20,6 | −1 | −1 | 1784 | 25 32,8505 | 27 5,754 |
| Maj. 10 | +2,301 | + 8,8 | − 8,72 | +21,8 | 0 | −1 | 1785 | 25 35,3859 | 26 53,165 |
| 20 | +2,371 | + 5,4 | − 6,51 | +22,1 | 0 | −1 | 1786 | 25 37,9214 | 26 40,580 |
| | | | | | | | 1787 | 25 40,4569 | 26 27,997 |
| 30 | +2,408 | + 2,1 | − 4,30 | +21,8 | +1 | −1 | 1788 | 25 42,9924 | 26 15,418 |
| Jun. 9 | +2,413 | − 1,2 | − 2,16 | +20,7 | +1 | −1 | 1789 | 25 45,5279 | 26 2,842 |
| 19 | +2,384 | − 4,5 | − 0,17 | +18,9 | +1 | 0 | 1790 | 25 48,0634 | 25 50,268 |
| 29 | +2,324 | − 7,5 | + 1,62 | +16,7 | +2 | 0 | | | |
| Jul. 9 | +2,234 | −10,4 | + 3,17 | +14,1 | +2 | 0 | | | |
| 19 | +2,117 | −13,0 | + 4,44 | +11,1 | +2 | 0 | | | |
| 29 | +1,975 | −15,2 | + 5,39 | + 7,9 | +2 | 0 | | | |
| Aug. 8 | +1,814 | −16,9 | + 6,02 | + 4,5 | +3 | +1 | | | |
| 18 | +1,637 | −18,1 | + 6,29 | + 1,0 | +3 | +1 | | | |
| 28 | +1,453 | −18,4 | + 6,21 | − 2,6 | +3 | +1 | | | |
| Sept. 7 | +1,269 | −18,1 | + 5,77 | − 6,3 | +3 | +2 | | | |
| 17 | +1,092 | −16,8 | + 4,96 | − 9,9 | +2 | +2 | | | |
| 27 | +0,933 | −14,7 | + 3,79 | −13,5 | +2 | +3 | | | |
| Oct. 7 | +0,799 | −11,7 | + 2,27 | −16,9 | +2 | +3 | | | |
| 17 | +0,699 | − 7,9 | + 0,41 | −20,2 | +2 | +3 | | | |
| 27 | +0,641 | − 3,4 | − 1,76 | −23,1 | +1 | +4 | | | |
| Nov. 6 | +0,631 | + 1,6 | − 4,21 | −25,7 | +1 | +4 | | | |
| 16 | +0,673 | + 6,9 | − 6,90 | −27,8 | 0 | +4 | | | |
| 26 | +0,768 | +12,2 | − 9,76 | −29,2 | 0 | +5 | | | |
| Dec. 6 | +0,916 | +17,3 | −12,73 | −29,8 | 0 | +5 | | | |
| 16 | +1,114 | +22,0 | −15,72 | −29,6 | −1 | +5 | | | |
| 26 | +1,355 | +25,9 | −18,65 | −28,6 | −1 | +5 | | | |
| 36 | +1,632 | +29,2 | −21,43 | −26,6 | −2 | +5 | | | |

Diei reducto addendum est:

ante } Nov. 15 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Serpentis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 15h 32′ 58″,073 | + 7° 9′ 46″,85 | 1780 | Jan. 1 | 15h 33′ 25″,779 | + 7° 7′ 49″,04 |
| | Apr. 10 | 58,041 | 47,60 | | Apr. 10 | 25,833 | 48,29 |
| | Jul. 19 | 58,001 | 48,36 | | Jul. 19 | 25,892 | 47,56 |
| | Oct. 27 | 57,954 | 49,12 | | Oct. 27 | 25,957 | 46,84 |
| | Dec. 66 | 57,900 | 49,89 | | Dec. 66 | 26,027 | 46,13 |
| 1771 | Jan. 0 | 15 33 0,864 | + 7 9 37,67 | 1781 | Jan. 0 | 15 33 28,949 | + 7 7 34,43 |
| | Apr. 10 | 0,805 | 38,43 | | Apr. 10 | 29,022 | 33,75 |
| | Jul. 19 | 0,740 | 39,17 | | Jul. 19 | 29,099 | 33,10 |
| | Oct. 27 | 0,669 | 39,90 | | Oct. 27 | 29,179 | 32,48 |
| | Dec. 66 | 0,592 | 40,60 | | Dec. 66 | 29,263 | 31,90 |
| 1772 | Jan. 1 | 15 33 3,564 | + 7 9 28,41 | 1782 | Jan. 0 | 15 33 32,181 | + 7 7 20,17 |
| | Apr. 10 | 3,484 | 29,09 | | Apr. 10 | 32,267 | 19,62 |
| | Jul. 19 | 3,400 | 29,73 | | Jul. 19 | 32,354 | 19,12 |
| | Oct. 27 | 3,314 | 30,33 | | Oct. 27 | 32,441 | 18,68 |
| | Dec. 66 | 3,224 | 30,89 | | Dec. 66 | 32,530 | 18,29 |
| 1773 | Jan. 0 | 15 33 6,200 | + 7 9 18,75 | 1783 | Jan. 0 | 15 33 35,447 | + 7 7 6,49 |
| | Apr. 10 | 6,108 | 19,28 | | Apr. 10 | 35,535 | 6,14 |
| | Jul. 19 | 6,016 | 19,74 | | Jul. 19 | 35,622 | 5,85 |
| | Oct. 27 | 5,924 | 20,14 | | Oct. 27 | 35,708 | 5,62 |
| | Dec. 66 | 5,832 | 20,48 | | Dec. 66 | 35,792 | 5,45 |
| 1774 | Jan. 0 | 15 33 8,808 | + 7 9 8,42 | 1784 | Jan. 1 | 15 33 38,711 | + 7 6 53,58 |
| | Apr. 10 | 8,716 | 8,72 | | Apr. 10 | 38,793 | 53,46 |
| | Jul. 19 | 8,627 | 8,95 | | Jul. 19 | 38,871 | 53,41 |
| | Oct. 27 | 8,540 | 9,10 | | Oct. 27 | 38,946 | 53,42 |
| | Dec. 66 | 8,457 | 9,19 | | Dec. 66 | 39,016 | 53,50 |
| 1775 | Jan. 0 | 15 33 11,430 | + 7 8 57,22 | 1785 | Jan. 0 | 15 33 41,940 | + 7 6 41,55 |
| | Apr. 10 | 11,349 | 57,26 | | Apr. 10 | 42,007 | 41,68 |
| | Jul. 19 | 11,273 | 57,22 | | Jul. 19 | 42,069 | 41,87 |
| | Oct. 27 | 11,203 | 57,13 | | Oct. 27 | 42,124 | 42,12 |
| | Dec. 66 | 11,137 | 56,94 | | Dec. 66 | 42,173 | 42,44 |
| 1776 | Jan. 1 | 15 33 14,104 | + 7 8 45,06 | 1786 | Jan. 0 | 15 33 45,104 | + 7 6 30,42 |
| | Apr. 10 | 14,043 | 44,83 | | Apr. 10 | 45,149 | 30,78 |
| | Jul. 19 | 13,990 | 44,54 | | Jul. 19 | 45,186 | 31,20 |
| | Oct. 27 | 13,944 | 44,19 | | Oct. 27 | 45,216 | 31,67 |
| | Dec. 66 | 13,906 | 43,77 | | Dec. 66 | 45,239 | 32,20 |
| 1777 | Jan. 0 | 15 33 16,865 | + 7 8 31,98 | 1787 | Jan. 0 | 15 33 48,179 | + 7 6 20,11 |
| | Apr. 10 | 16,830 | 31,52 | | Apr. 10 | 48,196 | 20,67 |
| | Jul. 19 | 16,803 | 31,01 | | Jul. 19 | 48,204 | 21,28 |
| | Oct. 27 | 16,786 | 30,45 | | Oct. 27 | 48,205 | 21,92 |
| | Dec. 66 | 16,777 | 29,84 | | Dec. 66 | 48,197 | 22,60 |
| 1778 | Jan. 0 | 15 33 19,725 | + 7 8 18,11 | 1788 | Jan. 1 | 15 33 51,147 | + 7 6 10,46 |
| | Apr. 10 | 19,722 | 17,48 | | Apr. 10 | 51,134 | 11,17 |
| | Jul. 19 | 19,727 | 16,81 | | Jul. 19 | 51,112 | 11,89 |
| | Oct. 27 | 19,740 | 16,12 | | Oct. 27 | 51,082 | 12,63 |
| | Dec. 66 | 19,761 | 15,40 | | Dec. 66 | 51,044 | 13,39 |
| 1779 | Jan. 0 | 15 33 22,699 | + 7 8 3,70 | 1789 | Jan. 0 | 15 33 54,005 | + 7 6 1,24 |
| | Apr. 10 | 22,726 | 2,97 | | Apr. 10 | 53,962 | 2,01 |
| | Jul. 19 | 22,760 | 2,23 | | Jul. 19 | 53,911 | 2,77 |
| | Oct. 27 | 22,802 | 1,48 | | Oct. 27 | 53,854 | 3,53 |
| | Dec. 66 | 22,850 | 0,72 | | Dec. 66 | 53,791 | 4,28 |

## Tabulae X. Sect. II. *a Serpentis.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,925 | +27,0 | − 2,84 | −21,6 | −2 | +1 |
| 10 | −0,643 | +29,2 | − 4,96 | −20,6 | −2 | +2 |
| 20 | −0,342 | +30,5 | − 6,95 | −18,9 | −3 | +2 |
| 30 | −0,033 | +31,0 | − 8,73 | −16,5 | −3 | +2 |
| Febr. 9 | +0,277 | +30,7 | −10,25 | −13,6 | −3 | +2 |
| 19 | +0,580 | +29,7 | −11,45 | −10,3 | −3 | +2 |
| Mart. 1 | +0,871 | +28,3 | −12,30 | − 6,7 | −3 | +1 |
| 11 | +1,145 | +26,3 | −12,79 | − 3,1 | −2 | +1 |
| 21 | +1,397 | +24,1 | −12,91 | + 0,6 | −2 | +1 |
| 31 | +1,626 | +21,7 | −12,68 | + 3,8 | −2 | +1 |
| Apr. 10 | +1,830 | +19,1 | −12,15 | + 6,7 | −1 | +1 |
| 20 | +2,007 | +16,4 | −11,34 | + 9,1 | −1 | +1 |
| 30 | +2,158 | +13,7 | −10,33 | +10,9 | 0 | +1 |
| Maj. 10 | +2,280 | +10,9 | − 9,16 | +12,2 | 0 | +1 |
| 20 | +2,375 | + 8,0 | − 7,89 | +13,0 | +1 | +1 |
| 30 | +2,440 | + 5,1 | − 6,57 | +13,2 | +1 | +1 |
| Jun. 9 | +2,476 | + 2,1 | − 5,26 | +12,9 | +1 | +1 |
| 19 | +2,481 | − 0,9 | − 3,99 | +12,3 | +2 | +1 |
| 29 | +2,458 | − 3,8 | − 2,81 | +11,3 | +2 | +1 |
| Jul. 9 | +2,405 | − 6,7 | − 1,74 | +10,0 | +2 | +1 |
| 19 | +2,324 | − 9,3 | − 0,82 | + 8,5 | +3 | +1 |
| 29 | +2,219 | −11,6 | − 0,05 | + 6,9 | +3 | +1 |
| Aug. 8 | +2,093 | −13,5 | + 0,55 | + 5,1 | +3 | +1 |
| 18 | +1,950 | −14,8 | + 0,96 | + 3,1 | +3 | +1 |
| 28 | +1,798 | −15,4 | + 1,17 | + 1,1 | +3 | +1 |
| Sept. 7 | +1,642 | −15,3 | + 1,18 | − 1,0 | +3 | +2 |
| 17 | +1,493 | −14,3 | + 0,97 | − 3,3 | +3 | +2 |
| 27 | +1,357 | −12,4 | + 0,53 | − 5,6 | +3 | +2 |
| Oct. 7 | +1,245 | − 9,7 | − 0,14 | − 8,0 | +2 | +2 |
| 17 | +1,164 | − 6,1 | − 1,06 | −10,4 | +2 | +3 |
| 27 | +1,123 | − 1,9 | − 2,22 | −12,9 | +1 | +3 |
| Nov. 6 | +1,126 | + 2,7 | − 3,63 | −15,2 | +1 | +3 |
| 16 | +1,177 | + 7,6 | − 5,26 | −17,4 | +1 | +4 |
| 26 | +1,278 | +12,6 | − 7,10 | −19,2 | 0 | +4 |
| Dec. 6 | +1,428 | +17,3 | − 9,10 | −20,7 | 0 | +4 |
| 16 | +1,624 | +21,5 | −11,23 | −21,6 | −1 | +5 |
| 26 | +1,858 | +25,1 | −13,41 | −21,8 | −1 | +5 |
| 36 | +2,125 | +27,9 | −15,58 | −21,3 | −2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 15 32 57,1379 | − 7 9 48,731 |
| 1771 | 33 0,0836 | 9 36,768 |
| 1772 | 33 3,0294 | 9 24,808 |
| 1773 | 33 5,9752 | 9 12,852 |
| 1774 | 33 8,9211 | 9 0,898 |
| 1775 | 33 11,8670 | 8 48,949 |
| 1776 | 33 14,8130 | 8 37,003 |
| 1777 | 33 17,7591 | 8 25,061 |
| 1778 | 33 20,7052 | 8 13,122 |
| 1779 | 33 23,6514 | 8 1,186 |
| 1780 | 33 26,5977 | 7 49,254 |
| 1781 | 33 29,5440 | 7 37,326 |
| 1782 | 33 32,4904 | 7 25,401 |
| 1783 | 33 35,4369 | 7 13,480 |
| 1784 | 33 38,3834 | 7 1,561 |
| 1785 | 33 41,3300 | 6 49,647 |
| 1786 | 33 44,2767 | 6 37,736 |
| 1787 | 33 47,2234 | 6 25,829 |
| 1788 | 33 50,1702 | 6 13,925 |
| 1789 | 33 53,1170 | 6 2,023 |
| 1790 | 33 56,0639 | 5 50,127 |

Diei reducto addendum est:

ante } Nov. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Scorpii.*

| | | | |
|---|---|---|---|
| 1770 | Jan. 0 | 16 h 15 ′ 21″,578 | —25° 54′ 5″,13 |
| | Apr. 10 | 21,554 | 4,33 |
| | Jul. 19 | 21,521 | 3,54 |
| | Oct. 27 | 21,477 | 2,76 |
| | Dec. 66 | 21,423 | 1,98 |
| 1771 | Jan. 0 | 16 15 25,095 | —25 54 11,13 |
| | Apr. 10 | 25,035 | 10,36 |
| | Jul. 19 | 24,967 | 9,62 |
| | Oct. 27 | 24,890 | 8,92 |
| | Dec. 66 | 24,804 | 8,25 |
| 1772 | Jan. 1 | 16 15 28,487 | —25 54 17,35 |
| | Apr. 10 | 28,397 | 16,71 |
| | Jul. 19 | 28,301 | 16,12 |
| | Oct. 27 | 28,199 | 15,58 |
| | Dec. 66 | 28,092 | 15,09 |
| 1773 | Jan. 0 | 16 15 31,782 | —25 54 24,13 |
| | Apr. 10 | 31,672 | 23,69 |
| | Jul. 19 | 31,560 | 23,31 |
| | Oct. 27 | 31,446 | 23,00 |
| | Dec. 66 | 31,330 | 22,76 |
| 1774 | Jan. 0 | 16 15 35,022 | —25 54 31,71 |
| | Apr. 10 | 34,906 | 31,52 |
| | Jul. 19 | 34,792 | 31,41 |
| | Oct. 27 | 34,679 | 31,37 |
| | Dec. 66 | 34,568 | 31,40 |
| 1775 | Jan. 0 | 16 15 38,259 | —25 54 40,25 |
| | Apr. 10 | 38,150 | 40,34 |
| | Jul. 19 | 38,046 | 40,50 |
| | Oct. 27 | 37,948 | 40,73 |
| | Dec. 66 | 37,856 | 41,04 |
| 1776 | Jan. 1 | 16 15 41,540 | —25 54 49,80 |
| | Apr. 10 | 41,452 | 50,15 |
| | Jul. 19 | 41,372 | 50,56 |
| | Oct. 27 | 41,300 | 51,04 |
| | Dec. 66 | 41,236 | 51,58 |
| 1777 | Jan. 0 | 16 15 44,910 | —25 55 0,25 |
| | Apr. 10 | 44,853 | 0,82 |
| | Jul. 19 | 44,805 | 1,44 |
| | Oct. 27 | 44,767 | 2,10 |
| | Dec. 66 | 44,739 | 2,80 |
| 1778 | Jan. 0 | 16 15 48,401 | —25 55 11,41 |
| | Apr. 10 | 48,380 | 12,14 |
| | Jul. 19 | 48,369 | 12,88 |
| | Oct. 27 | 48,367 | 13,64 |
| | Dec. 66 | 48,376 | 14,43 |
| 1779 | Jan. 0 | 16 15 52,028 | —25 55 23,01 |
| | Apr. 10 | 52,045 | 23,80 |
| | Jul. 19 | 52,072 | 24,58 |
| | Oct. 27 | 52,108 | 25,36 |
| | Dec. 66 | 52,154 | 26,14 |
| 1780 | Jan. 1 | 16 h 15 ′ 55″,792 | —25° 55′ 34″,73 |
| | Apr. 10 | 55,844 | 35,49 |
| | Jul. 19 | 55,905 | 36,23 |
| | Oct. 27 | 55,973 | 36,94 |
| | Dec. 66 | 56,050 | 37,62 |
| 1781 | Jan. 0 | 16 15 59,678 | —25 55 46,24 |
| | Apr. 10 | 59,759 | 46,90 |
| | Jul. 19 | 59,846 | 47,51 |
| | Oct. 27 | 59,938 | 48,07 |
| | Dec. 66 | 16 0,037 | 48,59 |
| 1782 | Jan. 0 | 16 16 3,658 | —25 55 57,26 |
| | Apr. 10 | 3,759 | 57,74 |
| | Jul. 19 | 3,863 | 58,16 |
| | Oct. 27 | 3,970 | 58,53 |
| | Dec. 66 | 4,079 | 58,83 |
| 1783 | Jan. 0 | 16 16 7,697 | —25 56 7,56 |
| | Apr. 10 | 7,808 | 7,82 |
| | Jul. 19 | 7,918 | 8,01 |
| | Oct. 27 | 8,027 | 8,13 |
| | Dec. 66 | 8,136 | 8,18 |
| 1784 | Jan. 1 | 16 16 11,755 | —25 56 17,00 |
| | Apr. 10 | 11,863 | 17,00 |
| | Jul. 19 | 11,968 | 16,93 |
| | Oct. 27 | 12,069 | 16,80 |
| | Dec. 66 | 12,166 | 16,60 |
| 1785 | Jan. 0 | 16 16 15,789 | —25 56 25,49 |
| | Apr. 10 | 15,883 | 25,24 |
| | Jul. 19 | 15,971 | 24,93 |
| | Oct. 27 | 16,053 | 24,55 |
| | Dec. 66 | 16,128 | 24,11 |
| 1786 | Jan. 0 | 16 16 19,759 | —25 56 33,03 |
| | Apr. 10 | 19,829 | 32,59 |
| | Jul. 19 | 19,890 | 32,06 |
| | Oct. 27 | 19,942 | 31,48 |
| | Dec. 66 | 19,986 | 30,85 |
| 1787 | Jan. 0 | 16 16 23,628 | —25 56 39,88 |
| | Apr. 10 | 23,666 | 39,22 |
| | Jul. 19 | 23,693 | 38,52 |
| | Oct. 27 | 23,711 | 37,79 |
| | Dec. 66 | 23,718 | 37,04 |
| 1788 | Jan. 1 | 16 16 27,372 | —25 56 46,10 |
| | Apr. 10 | 27,372 | 45,32 |
| | Jul. 19 | 27,362 | 44,54 |
| | Oct. 27 | 27,341 | 43,75 |
| | Dec. 66 | 27,310 | 42,95 |
| 1789 | Jan. 0 | 16 16 30,977 | —25 56 52,02 |
| | Apr. 10 | 30,939 | 51,22 |
| | Jul. 19 | 30,891 | 50,44 |
| | Oct. 27 | 30,834 | 49,68 |
| | Dec. 66 | 30,767 | 48,93 |

## Tabulae X. Sect. II. *α Scorpii.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,185 | +27,8 | +4,25 | —4,9 | —3 | —1 |
| 10 | —0,892 | +30,6 | +3,67 | —6,5 | —3 | —1 |
| 20 | —0,574 | +32,6 | +2,95 | —7,8 | —3 | 0 |
| 30 | —0,241 | +33,7 | +2,12 | —8,7 | —4 | 0 |
| Febr. 9 | +0,099 | +34,0 | +1,21 | —9,2 | —4 | +1 |
| 19 | +0,439 | +33,7 | +0,28 | —9,4 | —4 | +1 |
| Mart. 1 | +0,773 | +32,8 | —0,66 | —9,3 | —3 | +2 |
| 11 | +1,095 | +31,5 | —1,57 | —8,9 | —3 | +2 |
| 21 | +1,402 | +29,8 | —2,43 | —8,3 | —3 | +3 |
| 31 | +1,690 | +27,9 | —3,23 | —7,6 | —2 | +3 |
| Apr. 10 | +1,959 | +25,7 | —3,95 | —6,9 | —2 | +3 |
| 20 | +2,204 | +23,3 | —4,61 | —6,3 | —1 | +4 |
| 30 | +2,424 | +20,7 | —5,20 | —5,7 | —1 | +4 |
| Maj. 10 | +2,617 | +17,9 | —5,74 | —5,2 | 0 | +4 |
| 20 | +2,781 | +14,8 | —6,23 | —4,7 | +1 | +4 |
| 30 | +2,912 | +11,4 | —6,67 | —4,3 | +1 | +4 |
| Jun. 9 | +3,009 | + 7,9 | —7,08 | —3,9 | +2 | +4 |
| 19 | +3,070 | + 4,2 | —7,44 | —3,4 | +2 | +4 |
| 29 | +3,093 | + 0,4 | —7,75 | —2,9 | +3 | +4 |
| Jul. 9 | +3,078 | — 3,4 | —8,01 | —2,2 | +4 | +4 |
| 19 | +3,026 | — 7,0 | —8,19 | —1,5 | +4 | +4 |
| 29 | +2,938 | —10,4 | —8,31 | —0,7 | +4 | +3 |
| Aug. 8 | +2,818 | —13,3 | —8,32 | +0,4 | +4 | +3 |
| 18 | +2,673 | —15,5 | —8,23 | +1,5 | +5 | +3 |
| 28 | +2,508 | —17,0 | —8,03 | +2,6 | +5 | +2 |
| Sept. 7 | +2,333 | —17,6 | —7,72 | +3,6 | +5 | +2 |
| 17 | +2,157 | —17,1 | —7,31 | +4,5 | +4 | +2 |
| 27 | +1,991 | —15,6 | —6,82 | +5,2 | +4 | +2 |
| Oct. 7 | +1,846 | —13,0 | —6,28 | +5,6 | +4 | +1 |
| 17 | +1,732 | — 9,4 | —5,71 | +5,6 | +3 | +1 |
| 27 | +1,658 | — 5,0 | —5,16 | +5,2 | +3 | +1 |
| Nov. 6 | +1,632 | + 0,1 | —4,67 | +4,4 | +2 | +1 |
| 16 | +1,659 | + 5,5 | —4,28 | +3,3 | +2 | +2 |
| 26 | +1,742 | +11,0 | —4,02 | +1,7 | +1 | +2 |
| Dec. 6 | +1,879 | +16,3 | —3,94 | —0,1 | 0 | +2 |
| 16 | +2,067 | +21,2 | —4,04 | —1,9 | 0 | +3 |
| 26 | +2,302 | +25,5 | —4,32 | —3,8 | —1 | +3 |
| 36 | +2,576 | +28,9 | —4,79 | —5,5 | —1 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 16 15 20,3641 | —25 54 4,507 |
| 1771 | 15 24,0172 | 54 13,396 |
| 1772 | 15 27,6704 | 54 22,279 |
| 1773 | 15 31,3238 | 54 31,158 |
| 1774 | 15 34,9774 | 54 40,032 |
| 1775 | 15 38,6312 | 54 48,901 |
| 1776 | 15 42,2851 | 54 57,765 |
| 1777 | 15 45,9391 | 55 6,625 |
| 1778 | 15 49,5933 | 55 15,479 |
| 1779 | 15 53,2476 | 55 24,329 |
| 1780 | 15 56,9020 | 55 33,174 |
| 1781 | 16 0,5567 | 55 42,014 |
| 1782 | 16 4,2115 | 55 50,849 |
| 1783 | 16 7,8665 | 55 59,680 |
| 1784 | 16 11,5216 | 56 8,505 |
| 1785 | 16 15,1770 | 56 17,326 |
| 1786 | 16 18,8324 | 56 26,142 |
| 1787 | 16 22,4880 | 56 34,953 |
| 1788 | 16 26,1438 | 56 43,759 |
| 1789 | 16 29,7997 | 56 52,560 |
| 1790 | 16 33,4557 | 57 1,356 |

Diei reducto addendum est:

ante / post } Nov. 27 { +1 / +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Herculis.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 17 4 11,029 | +14 40 6,81 |
| | Apr. 10 | 11,000 | 7,62 |
| | Jul. 19 | 10,963 | 8,42 |
| | Oct. 27 | 10,920 | 9,20 |
| | Dec. 66 | 10,869 | 9,96 |
| 1771 | Jan. 0 | 17 4 13,615 | +14 40 4,91 |
| | Apr. 10 | 13,560 | 5,65 |
| | Jul. 19 | 13,500 | 6,34 |
| | Oct. 27 | 13,434 | 6,99 |
| | Dec. 66 | 13,363 | 7,60 |
| 1772 | Jan. 1 | 17 4 16,116 | +14 40 2,60 |
| | Apr. 10 | 16,042 | 3,17 |
| | Jul. 19 | 15,964 | 3,68 |
| | Oct. 27 | 15,884 | 4,12 |
| | Dec. 66 | 15,800 | 4,51 |
| 1773 | Jan. 0 | 17 4 18,557 | +14 39 59,59 |
| | Apr. 10 | 18,472 | 59,92 |
| | Jul. 19 | 18,386 | 40 0,18 |
| | Oct. 27 | 18,300 | 0,36 |
| | Dec. 66 | 18,214 | 0,47 |
| 1774 | Jan. 0 | 17 4 20,972 | +14 39 55,65 |
| | Apr. 10 | 20,886 | 55,71 |
| | Jul. 19 | 20,803 | 55,69 |
| | Oct. 27 | 20,722 | 55,59 |
| | Dec. 66 | 20,644 | 55,41 |
| 1775 | Jan. 0 | 17 4 23,399 | +14 39 50,69 |
| | Apr. 10 | 23,323 | 50,46 |
| | Jul. 19 | 23,252 | 50,16 |
| | Oct. 27 | 23,186 | 49,79 |
| | Dec. 66 | 23,125 | 49,35 |
| 1776 | Jan. 1 | 17 4 25,874 | +14 39 44,72 |
| | Apr. 10 | 25,817 | 44,24 |
| | Jul. 19 | 25,767 | 43,70 |
| | Oct. 27 | 25,724 | 43,11 |
| | Dec. 66 | 25,687 | 42,46 |
| 1777 | Jan. 0 | 17 4 28,427 | +14 39 37,90 |
| | Apr. 10 | 28,395 | 37,22 |
| | Jul. 19 | 28,371 | 36,50 |
| | Oct. 27 | 28,355 | 35,76 |
| | Dec. 66 | 28,346 | 34,99 |
| 1778 | Jan. 0 | 17 4 31,077 | +14 39 30,47 |
| | Apr. 10 | 31,073 | 29,67 |
| | Jul. 19 | 31,077 | 28,87 |
| | Oct. 27 | 31,089 | 28,06 |
| | Dec. 66 | 31,109 | 27,24 |
| 1779 | Jan. 0 | 17 4 33,830 | +14 39 22,74 |
| | Apr. 10 | 33,855 | 21,93 |
| | Jul. 19 | 33,886 | 21,13 |
| | Oct. 27 | 33,924 | 20,35 |
| | Dec. 66 | 33,969 | 19,58 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1780 | Jan. 1 | 17 4 36,682 | +14 39 15,06 |
| | Apr. 10 | 36,731 | 14,32 |
| | Jul. 19 | 36,786 | 13,61 |
| | Oct. 27 | 36,846 | 12,94 |
| | Dec. 66 | 36,912 | 12,31 |
| 1781 | Jan. 0 | 17 4 39,618 | +14 39 7,75 |
| | Apr. 10 | 39,686 | 7,15 |
| | Jul. 19 | 39,757 | 6,61 |
| | Oct. 27 | 39,832 | 6,13 |
| | Dec. 66 | 39,910 | 5,70 |
| 1782 | Jan. 0 | 17 4 42,612 | +14 39 1,07 |
| | Apr. 10 | 42,692 | 0,69 |
| | Jul. 19 | 42,772 | 0,37 |
| | Oct. 27 | 42,854 | 0,12 |
| | Dec. 66 | 42,936 | 38 59,93 |
| 1783 | Jan. 0 | 17 4 45,638 | +14 38 55,23 |
| | Apr. 10 | 45,720 | 55,09 |
| | Jul. 19 | 45,801 | 55,03 |
| | Oct. 27 | 45,881 | 55,03 |
| | Dec. 66 | 45,959 | 55,11 |
| 1784 | Jan. 1 | 17 4 48,662 | +14 38 50,32 |
| | Apr. 10 | 48,739 | 50,45 |
| | Jul. 19 | 48,812 | 50,65 |
| | Oct. 27 | 48,882 | 50,92 |
| | Dec. 66 | 48,948 | 51,26 |
| 1785 | Jan. 0 | 17 4 51,655 | +14 38 46,39 |
| | Apr. 10 | 51,718 | 46,77 |
| | Jul. 19 | 51,775 | 47,21 |
| | Oct. 27 | 51,827 | 47,71 |
| | Dec. 66 | 51,873 | 48,27 |
| 1786 | Jan. 0 | 17 4 54,588 | +14 38 43,33 |
| | Apr. 10 | 54,630 | 43,93 |
| | Jul. 19 | 54,665 | 44,57 |
| | Oct. 27 | 54,693 | 45,25 |
| | Dec. 66 | 54,714 | 45,98 |
| 1787 | Jan. 0 | 17 4 57,437 | +14 38 40,99 |
| | Apr. 10 | 57,453 | 41,74 |
| | Jul. 19 | 57,462 | 42,51 |
| | Oct. 27 | 57,463 | 43,30 |
| | Dec. 66 | 57,456 | 44,11 |
| 1788 | Jan. 1 | 17 5 0,188 | +14 38 39,10 |
| | Apr. 10 | 0,176 | 39,92 |
| | Jul. 19 | 0,156 | 40,73 |
| | Oct. 27 | 0,129 | 41,54 |
| | Dec. 66 | 0,094 | 42,35 |
| 1789 | Jan. 0 | 17 5 2,835 | +14 38 37,35 |
| | Apr. 10 | 2,795 | 38,15 |
| | Jul. 19 | 2,749 | 38,92 |
| | Oct. 27 | 2,696 | 39,66 |
| | Dec. 66 | 2,637 | 40,37 |

## Tabulae X. Sect. II. *α Herculis.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,260 | +19,4 | − 2,86 | −23,6 | −1 | +1 | 1770 | 17 4 10,1579 | +14 40 5,960 |
| 10 | −1,048 | +22,8 | − 5,19 | −22,7 | −1 | +1 | 1771 | 4 12,8865 | 40 1,155 |
| 20 | −0,805 | +25,5 | − 7,39 | −21,0 | −2 | +1 | 1772 | 4 15,6151 | 39 56,354 |
| 30 | −0,539 | +27,5 | − 9,38 | −18,4 | −2 | +1 | 1773 | 4 18,3438 | 39 51,557 |
| Febr. 9 | −0,256 | +28,8 | −11,07 | −15,2 | −2 | +1 | 1774 | 4 21,0725 | 39 46,764 |
| | | | | | | | 1775 | 4 23,8013 | 39 41,974 |
| 19 | +0,037 | +29,5 | −12,42 | −11,5 | −3 | +1 | 1776 | 4 26,5301 | 39 37,188 |
| Mart. 1 | +0,333 | +29,5 | −13,37 | − 7,4 | −3 | +1 | 1777 | 4 29,2589 | 39 32,406 |
| 11 | +0,627 | +29,1 | −13,88 | − 2,9 | −3 | +1 | 1778 | 4 31,9878 | 39 27,628 |
| 21 | +0,914 | +28,2 | −13,95 | + 1,5 | −2 | +1 | 1779 | 4 34,7167 | 39 22,854 |
| 31 | +1,191 | +27,0 | −13,59 | + 5,6 | −2 | +1 | 1780 | 4 37,4456 | 39 18,084 |
| | | | | | | | 1781 | 4 40,1746 | 39 13,318 |
| Apr. 10 | +1,453 | +25,4 | −12,83 | + 9,4 | −2 | +1 | 1782 | 4 42,9036 | 39 8,555 |
| 20 | +1,698 | +23,5 | −11,71 | +12,7 | −2 | +1 | 1783 | 4 45,6327 | 39 3,796 |
| 30 | +1,922 | +21,2 | −10,29 | +15,4 | −1 | +1 | 1784 | 4 48,3618 | 38 59,041 |
| Maj. 10 | +2,122 | +18,7 | − 8,63 | +17,5 | −1 | +1 | 1785 | 4 51,0908 | 38 54,291 |
| 20 | +2,295 | +15,8 | − 6,79 | +18,9 | −1 | +1 | 1786 | 4 53,8200 | 38 49,544 |
| | | | | | | | 1787 | 4 56,5492 | 38 44,801 |
| 30 | +2,438 | +12,7 | − 4,86 | +19,5 | 0 | +1 | 1788 | 4 59,2784 | 38 40,062 |
| Jun. 9 | +2,549 | + 9,4 | − 2,89 | +19,5 | 0 | +1 | 1789 | 5 2,0077 | 38 35,327 |
| 19 | +2,625 | + 5,8 | − 0,96 | +19,0 | +1 | +1 | 1790 | 5 4,7370 | 38 30,595 |
| 29 | +2,664 | + 2,1 | + 0,90 | +17,9 | +1 | +1 | | | |
| Jul. 9 | +2,666 | − 1,7 | + 2,62 | +16,4 | +1 | +1 | | | |
| 19 | +2,630 | − 5,4 | + 4,18 | +14,6 | +2 | +1 | | | |
| 29 | +2,558 | − 8,9 | + 5,53 | +12,3 | +2 | +1 | | | |
| Aug. 8 | +2,452 | −12,1 | + 6,64 | +10,0 | +2 | +1 | | | |
| 18 | +2,317 | −14,7 | + 7,52 | + 7,4 | +2 | +2 | | | |
| 28 | +2,159 | −16,7 | + 8,12 | + 4,8 | +3 | +2 | | | |
| Sept. 7 | +1,984 | −17,9 | + 8,44 | + 1,9 | +3 | +2 | | | |
| 17 | +1,801 | −18,3 | + 8,49 | − 1,0 | +3 | +2 | | | |
| 27 | +1,619 | −17,7 | + 8,24 | − 4,0 | +3 | +2 | | | |
| Oct. 7 | +1,447 | −16,2 | + 7,69 | − 7,0 | +3 | +3 | | | |
| 17 | +1,295 | −13,7 | + 6,84 | −10,0 | +2 | +3 | | | |
| 27 | +1,173 | −10,4 | + 5,70 | −12,8 | +2 | +3 | | | |
| Nov. 6 | +1,088 | − 6,4 | + 4,28 | −15,6 | +2 | +4 | | | |
| 16 | +1,046 | − 1,9 | + 2,58 | −18,2 | +1 | +4 | | | |
| 26 | +1,051 | + 3,0 | + 0,65 | −20,3 | +1 | +4 | | | |
| Dec. 6 | +1,105 | + 7,8 | − 1,48 | −22,1 | +1 | +4 | | | |
| 16 | +1,207 | +12,6 | − 3,76 | −23,2 | 0 | +4 | | | |
| 26 | +1,356 | +16,9 | − 6,12 | −23,7 | 0 | +5 | | | |
| 36 | +1,545 | +20,7 | − 8,49 | −23,4 | −1 | +5 | | | |

Diei reducto addendum est:

ante / post } Dec. 8 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Ophiuchi.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 17 24 17,020 | +12 44 38,33 |
| | Apr. 10 | 16,992 | 39,14 |
| | Jul. 19 | 16,956 | 39,93 |
| | Oct. 27 | 16,913 | 40,70 |
| | Dec. 66 | 16,863 | 41,44 |
| 1771 | Jan. 0 | 17 24 19,655 | +12 44 37,87 |
| | Apr. 10 | 19,601 | 38,59 |
| | Jul. 19 | 19,541 | 39,26 |
| | Oct. 27 | 19,475 | 39,88 |
| | Dec. 66 | 19,404 | 40,45 |
| 1772 | Jan. 1 | 17 24 22,203 | +12 44 36,95 |
| | Apr. 10 | 22,129 | 37,48 |
| | Jul. 19 | 22,051 | 37,95 |
| | Oct. 27 | 21,970 | 38,35 |
| | Dec. 66 | 21,885 | 38,68 |
| 1773 | Jan. 0 | 17 24 24,689 | +12 44 35,27 |
| | Apr. 10 | 24,603 | 35,55 |
| | Jul. 19 | 24,516 | 35,76 |
| | Oct. 27 | 24,429 | 35,89 |
| | Dec. 66 | 24,342 | 35,94 |
| 1774 | Jan. 0 | 17 24 27,146 | +12 44 32,62 |
| | Apr. 10 | 27,059 | 32,62 |
| | Jul. 19 | 26,973 | 32,55 |
| | Oct. 27 | 26,893 | 32,39 |
| | Dec. 66 | 26,813 | 32,16 |
| 1775 | Jan. 0 | 17 24 29,614 | +12 44 28,94 |
| | Apr. 10 | 29,537 | 28,66 |
| | Jul. 19 | 29,464 | 28,31 |
| | Oct. 27 | 29,396 | 27,88 |
| | Dec. 66 | 29,333 | 27,39 |
| 1776 | Jan. 1 | 17 24 32,129 | +12 44 24,26 |
| | Apr. 10 | 32,071 | 23,73 |
| | Jul. 19 | 32,019 | 23,15 |
| | Oct. 27 | 31,973 | 22,51 |
| | Dec. 66 | 31,933 | 21,82 |
| 1777 | Jan. 0 | 17 24 34,721 | +12 44 18,76 |
| | Apr. 10 | 34,687 | 18,04 |
| | Jul. 19 | 34,661 | 17,30 |
| | Oct. 27 | 34,643 | 16,53 |
| | Dec. 66 | 34,633 | 15,73 |
| 1778 | Jan. 0 | 17 24 37,411 | +12 44 12,70 |
| | Apr. 10 | 37,406 | 11,89 |
| | Jul. 19 | 37,408 | 11,08 |
| | Oct. 27 | 37,419 | 10,26 |
| | Dec. 66 | 37,437 | 9,44 |
| 1779 | Jan. 0 | 17 24 40,205 | +12 44 6,42 |
| | Apr. 10 | 40,229 | 5,61 |
| | Jul. 19 | 40,259 | 4,81 |
| | Oct. 27 | 40,297 | 4,04 |
| | Dec. 66 | 40,341 | 3,29 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1780 | Jan. 1 | 17 24 43,101 | +12 44 0,25 |
| | Apr. 10 | 43,149 | 43 59,52 |
| | Jul. 19 | 43,203 | 58,83 |
| | Oct. 27 | 43,263 | 58,19 |
| | Dec. 66 | 43,328 | 57,59 |
| 1781 | Jan. 0 | 17 24 46,081 | +12 43 54,50 |
| | Apr. 10 | 46,149 | 53,94 |
| | Jul. 19 | 46,221 | 53,43 |
| | Oct. 27 | 46,296 | 52,99 |
| | Dec. 66 | 46,374 | 52,60 |
| 1782 | Jan. 0 | 17 24 49,123 | +12 43 49,45 |
| | Apr. 10 | 49,203 | 49,10 |
| | Jul. 19 | 49,285 | 48,83 |
| | Oct. 27 | 49,367 | 48,63 |
| | Dec. 66 | 49,451 | 48,50 |
| 1783 | Jan. 0 | 17 24 52,198 | +12 43 45,26 |
| | Apr. 10 | 52,283 | 45,18 |
| | Jul. 19 | 52,366 | 45,17 |
| | Oct. 27 | 52,447 | 45,23 |
| | Dec. 66 | 52,526 | 45,36 |
| 1784 | Jan. 1 | 17 24 55,275 | +12 43 42,04 |
| | Apr. 10 | 55,353 | 42,22 |
| | Jul. 19 | 55,428 | 42,47 |
| | Oct. 27 | 55,499 | 42,79 |
| | Dec. 66 | 55,567 | 43,18 |
| 1785 | Jan. 0 | 17 24 58,321 | +12 43 39,78 |
| | Apr. 10 | 58,386 | 40,21 |
| | Jul. 19 | 58,445 | 40,69 |
| | Oct. 27 | 58,499 | 41,24 |
| | Dec. 66 | 58,547 | 41,84 |
| 1786 | Jan. 0 | 17 25 1,307 | +12 43 38,37 |
| | Apr. 10 | 1,352 | 39,01 |
| | Jul. 19 | 1,389 | 39,69 |
| | Oct. 27 | 1,418 | 40,40 |
| | Dec. 66 | 1,441 | 41,16 |
| 1787 | Jan. 0 | 17 25 4,210 | +12 43 37,64 |
| | Apr. 10 | 4,228 | 38,42 |
| | Jul. 19 | 4,238 | 39,21 |
| | Oct. 27 | 4,240 | 40,02 |
| | Dec. 66 | 4,235 | 40,84 |
| 1788 | Jan. 1 | 17 25 7,013 | +12 43 37,31 |
| | Apr. 10 | 7,002 | 38,14 |
| | Jul. 19 | 6,984 | 38,96 |
| | Oct. 27 | 6,958 | 39,77 |
| | Dec. 66 | 6,924 | 40,57 |
| 1789 | Jan. 0 | 17 25 9,712 | +12 43 37,06 |
| | Apr. 10 | 9,673 | 37,85 |
| | Jul. 19 | 9,627 | 38,60 |
| | Oct. 27 | 9,575 | 39,32 |
| | Dec. 66 | 9,516 | 40,00 |

## Tabulae X. Sect. II. *α Ophiuchi.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,290 | +17,6 | − 2,23 | −22,4 | −1 | +1 |
| 10 | −1,095 | +21,1 | − 4,45 | −21,8 | −1 | +1 |
| 20 | −0,368 | +24,0 | − 6,57 | −20,3 | −2 | +1 |
| 30 | −0,616 | +26,2 | − 8,51 | −18,1 | −2 | +1 |
| Febr. 9 | −0,344 | +27,8 | −10,18 | −15,1 | −2 | +1 |
| 19 | −0,060 | +28,8 | −11,53 | −11,6 | −2 | +1 |
| Mart. 1 | +0,231 | +29,2 | −12,50 | − 7,7 | −3 | +1 |
| 11 | +0,523 | +29,1 | −13,06 | − 3,5 | −3 | +1 |
| 21 | +0,812 | +28,6 | −13,20 | + 0,8 | −2 | +1 |
| 31 | +1,094 | +27,6 | −12,91 | + 4,9 | −2 | +1 |
| Apr. 10 | +1,364 | +26,3 | −12,23 | + 8,6 | −2 | +1 |
| 20 | +1,620 | +24,7 | −11,19 | +11,9 | −2 | +1 |
| 30 | +1,858 | +22,7 | − 9,85 | +14,7 | −2 | +1 |
| Maj. 10 | +2,074 | +20,4 | − 8,26 | +16,8 | −1 | +1 |
| 20 | +2,266 | +17,7 | − 6,50 | +18,2 | −1 | +1 |
| 30 | +2,428 | +14,7 | − 4,62 | +19,0 | 0 | +1 |
| Jun. 9 | +2,559 | +11,4 | − 2,70 | +19,2 | 0 | +1 |
| 19 | +2,655 | + 7,8 | − 0,79 | +18,7 | 0 | +1 |
| 29 | +2,715 | + 4,0 | + 1,04 | +17,8 | +1 | +1 |
| Jul. 9 | +2,735 | + 0,1 | + 2,77 | +16,5 | +1 | +1 |
| 19 | +2,717 | − 3,7 | + 4,33 | +14,7 | +2 | +1 |
| 29 | +2,661 | − 7,4 | + 5,70 | +12,7 | +2 | +2 |
| Aug. 8 | +2,569 | −10,8 | + 6,86 | +10,5 | +2 | +2 |
| 18 | +2,446 | −13,7 | + 7,79 | + 8,0 | +2 | +2 |
| 28 | +2,296 | −16,0 | + 8,46 | + 5,4 | +3 | +2 |
| Sept. 7 | +2,126 | −17,6 | + 8,87 | + 2,8 | +3 | +2 |
| 17 | +1,945 | −18,2 | + 9,01 | 0,0 | +3 | +3 |
| 27 | +1,762 | −17,9 | + 8,87 | − 2,8 | +3 | +3 |
| Oct. 7 | +1,587 | −16,7 | + 8,45 | − 5,6 | +3 | +3 |
| 17 | +1,428 | −14,6 | + 7,75 | − 8,5 | +2 | +3 |
| 27 | +1,296 | −11,5 | + 6,76 | −11,3 | +2 | +4 |
| Nov. 6 | +1,199 | − 7,7 | + 5,50 | −14,0 | +2 | +4 |
| 16 | +1,143 | − 3,4 | + 3,97 | −16,5 | +2 | +4 |
| 26 | +1,132 | + 1,3 | + 2,21 | −18,7 | +1 | +4 |
| Dec. 6 | +1,168 | + 6,1 | + 0,24 | −20,5 | +1 | +5 |
| 16 | +1,253 | +10,8 | − 1,89 | −21,8 | 0 | +5 |
| 26 | +1,383 | +15,1 | − 4,11 | −22,3 | 0 | +5 |
| 36 | +1,554 | +19,0 | − 6,35 | −22,2 | −1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 17 24 16,1304 | +12 44 36,883 |
| 1771 | 24 18,9056 | 44 33,561 |
| 1772 | 24 21,6808 | 44 30,242 |
| 1773 | 24 24,4561 | 44 26,928 |
| 1774 | 24 27,2314 | 44 23,617 |
| 1775 | 24 30,0068 | 44 20,311 |
| 1776 | 24 32,7822 | 44 17,008 |
| 1777 | 24 35,5576 | 44 13,710 |
| 1778 | 24 38,3330 | 44 10,415 |
| 1779 | 24 41,1084 | 44 7,125 |
| 1780 | 24 43,8839 | 44 3,838 |
| 1781 | 24 46,6594 | 44 0,556 |
| 1782 | 24 49,4350 | 43 57,277 |
| 1783 | 24 52,2106 | 43 54,003 |
| 1784 | 24 54,9863 | 43 50,732 |
| 1785 | 24 57,7620 | 43 47,466 |
| 1786 | 25 0,5377 | 43 44,204 |
| 1787 | 25 3,3135 | 43 40,945 |
| 1788 | 25 6,0893 | 43 37,691 |
| 1789 | 25 8,8650 | 43 34,440 |
| 1790 | 25 11,6409 | 43 31,194 |

Diei reducto addendum est:

ante / post } Dec. 13 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Lyrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 18 29 9,876 | +38 34 56,59 | 1780 | Jan. 1 | 18 29 28,892 | +38 35 16,41 |
| | Apr. 10 | 9,862 | 57,36 | | Apr. 10 | 28,921 | 15,77 |
| | Jul. 19 | 9,842 | 58,08 | | Jul. 19 | 28,955 | 15,19 |
| | Oct. 27 | 9,817 | 58,77 | | Oct. 27 | 28,993 | 14,66 |
| | Dec. 66 | 9,787 | 59,41 | | Dec. 66 | 29,036 | 14,19 |
| 1771 | Jan. 0 | 18 29 11,827 | +38 35 2,02 | 1781 | Jan. 0 | 18 29 31,051 | +38 35 17,19 |
| | Apr. 10 | 11,793 | 2,63 | | Apr. 10 | 31,096 | 16,76 |
| | Jul. 19 | 11,754 | 3,18 | | Jul. 19 | 31,145 | 16,40 |
| | Oct. 27 | 11,711 | 3,68 | | Oct. 27 | 31,196 | 16,10 |
| | Dec. 66 | 11,663 | 4,11 | | Dec. 66 | 31,250 | 15,87 |
| 1772 | Jan. 1 | 18 29 13,709 | +38 35 6,79 | 1782 | Jan. 0 | 18 29 33,261 | +38 35 18,79 |
| | Apr. 10 | 13,658 | 7,18 | | Apr. 10 | 33,317 | 18,61 |
| | Jul. 19 | 13,605 | 7,49 | | Jul. 19 | 33,375 | 18,50 |
| | Oct. 27 | 13,549 | 7,73 | | Oct. 27 | 33,434 | 18,46 |
| | Dec. 66 | 13,489 | 7,89 | | Dec. 66 | 33,494 | 18,50 |
| 1773 | Jan. 0 | 18 29 15,538 | +38 35 10,67 | 1783 | Jan. 0 | 18 29 35,503 | +38 35 21,34 |
| | Apr. 10 | 15,477 | 10,78 | | Apr. 10 | 35,564 | 21,42 |
| | Jul. 19 | 15,416 | 10,81 | | Jul. 19 | 35,625 | 21,58 |
| | Oct. 27 | 15,353 | 10,77 | | Oct. 27 | 35,685 | 21,81 |
| | Dec. 66 | 15,289 | 10,64 | | Dec. 66 | 35,745 | 22,11 |
| 1774 | Jan. 0 | 18 29 17,339 | +38 35 13,52 | 1784 | Jan. 1 | 18 29 37,754 | +38 35 24,85 |
| | Apr. 10 | 17,275 | 13,34 | | Apr. 10 | 37,814 | 25,19 |
| | Jul. 19 | 17,212 | 13,09 | | Jul. 19 | 37,871 | 25,60 |
| | Oct. 27 | 17,150 | 12,77 | | Oct. 27 | 37,926 | 26,07 |
| | Dec. 66 | 17,089 | 12,37 | | Dec. 66 | 37,979 | 26,60 |
| 1775 | Jan. 0 | 18 29 19,139 | +38 35 15,34 | 1785 | Jan. 0 | 18 29 39,991 | +38 35 29,27 |
| | Apr. 10 | 19,079 | 14,89 | | Apr. 10 | 40,043 | 29,84 |
| | Jul. 19 | 19,022 | 14,39 | | Jul. 19 | 40,091 | 30,46 |
| | Oct. 27 | 18,969 | 13,83 | | Oct. 27 | 40,135 | 31,12 |
| | Dec. 66 | 18,918 | 13,20 | | Dec. 66 | 40,176 | 31,82 |
| 1776 | Jan. 1 | 18 29 20,964 | +38 35 16,25 | 1786 | Jan. 0 | 18 29 42,192 | +38 35 34,44 |
| | Apr. 10 | 20,916 | 15,59 | | Apr. 10 | 42,230 | 35,17 |
| | Jul. 19 | 20,872 | 14,90 | | Jul. 19 | 42,263 | 35,93 |
| | Oct. 27 | 20,833 | 14,16 | | Oct. 27 | 42,291 | 36,71 |
| | Dec. 66 | 20,799 | 13,39 | | Dec. 66 | 42,314 | 37,52 |
| 1777 | Jan. 0 | 18 29 22,839 | +38 35 16,49 | 1787 | Jan. 0 | 18 29 44,336 | +38 35 40,11 |
| | Apr. 10 | 22,808 | 15,70 | | Apr. 10 | 44,356 | 40,93 |
| | Jul. 19 | 22,783 | 14,90 | | Jul. 19 | 44,370 | 41,75 |
| | Oct. 27 | 22,763 | 14,08 | | Oct. 27 | 44,379 | 42,57 |
| | Dec. 66 | 22,748 | 13,25 | | Dec. 66 | 44,382 | 43,39 |
| 1778 | Jan. 0 | 18 29 24,782 | +38 35 16,37 | 1788 | Jan. 1 | 18 29 46,411 | +38 35 45,98 |
| | Apr. 10 | 24,771 | 15,54 | | Apr. 10 | 46,410 | 46,79 |
| | Jul. 19 | 24,766 | 14,72 | | Jul. 19 | 46,404 | 47,58 |
| | Oct. 27 | 24,767 | 13,92 | | Oct. 27 | 46,391 | 48,35 |
| | Dec. 66 | 24,773 | 13,13 | | Dec. 66 | 46,373 | 49,09 |
| 1779 | Jan. 0 | 18 29 26,800 | +38 35 16,23 | 1789 | Jan. 0 | 18 29 48,409 | +38 35 51,71 |
| | Apr. 10 | 26,810 | 15,46 | | Apr. 10 | 48,387 | 52,42 |
| | Jul. 19 | 26,825 | 14,72 | | Jul. 19 | 48,360 | 53,09 |
| | Oct. 27 | 26,846 | 14,01 | | Oct. 27 | 48,328 | 53,71 |
| | Dec. 66 | 26,872 | 13,34 | | Dec. 66 | 48,291 | 54,28 |

## Tabulae X. Sect. II. *α Lyrae.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,700 | + 9,0 | − 0,94 | −31,2 | 0 | +2 |
| 10 | −1,585 | +13,9 | − 4,06 | −30,8 | −1 | +2 |
| 20 | −1,422 | +18,5 | − 7,09 | −29,4 | −1 | +2 |
| 30 | −1,215 | +22,5 | − 9,93 | −26,8 | −1 | +2 |
| Febr. 9 | −0,972 | +25,9 | −12,45 | −23,2 | −2 | +2 |
| 19 | −0,697 | +28,8 | −14,57 | −18,7 | −2 | +2 |
| Mart. 1 | −0,397 | +30,9 | −16,19 | −13,5 | −2 | +1 |
| 11 | −0,079 | +32,4 | −17,27 | − 7,9 | −2 | +1 |
| 21 | +0,251 | +33,2 | −17,76 | − 2,0 | −2 | +1 |
| 31 | +0,585 | +33,3 | −17,66 | + 4,0 | −2 | 0 |
| Apr. 10 | +0,917 | +32,8 | −16,97 | + 9,7 | −2 | 0 |
| 20 | +1,240 | +31,5 | −15,73 | +15,0 | −2 | 0 |
| 30 | +1,547 | +29,7 | −13,98 | +19,6 | −2 | 0 |
| Maj. 10 | +1,833 | +27,2 | −11,81 | +23,5 | −2 | 0 |
| 20 | +2,091 | +24,2 | − 9,29 | +26,5 | −1 | 0 |
| 30 | +2,316 | +20,5 | − 6,51 | +28,7 | −1 | 0 |
| Jun. 9 | +2,501 | +16,4 | − 3,55 | +30,0 | 0 | 0 |
| 19 | +2,644 | +11,9 | − 0,51 | +30,4 | 0 | 0 |
| 29 | +2,739 | + 7,1 | + 2,53 | +30,1 | 0 | 0 |
| Jul. 9 | +2,786 | + 2,7 | + 5,50 | +28,9 | +1 | 0 |
| 19 | +2,782 | − 2,9 | + 8,31 | +27,1 | +1 | 0 |
| 29 | +2,728 | − 7,8 | +10,91 | +24,7 | +1 | 0 |
| Aug. 8 | +2,626 | −12,4 | +13,24 | +21,7 | +2 | +1 |
| 18 | +2,480 | −16,6 | +15,24 | +18,3 | +2 | +1 |
| 28 | +2,295 | −10,1 | +16,89 | +14,6 | +2 | +1 |
| Sept. 7 | +2,078 | −22,9 | +18,15 | +10,5 | +2 | +1 |
| 17 | +1,838 | −24,7 | +18,98 | + 6,2 | +2 | +2 |
| 27 | +1,585 | −25,6 | +19,38 | + 1,7 | +2 | +2 |
| Oct. 7 | +1,327 | −25,4 | +19,32 | − 2,9 | +2 | +3 |
| 17 | +1,078 | −24,1 | +18,80 | − 7,5 | +2 | +3 |
| 27 | +0,845 | −21,9 | +17,83 | −12,0 | +2 | +3 |
| Nov. 6 | +0,641 | −18,6 | +16,40 | −16,4 | +2 | +4 |
| 16 | +0,473 | −14,6 | +14,55 | −20,5 | +2 | +4 |
| 26 | +0,349 | −10,0 | +12,31 | −24,1 | +1 | +4 |
| Dec. 6 | +0,274 | − 4,9 | + 9,73 | −27,1 | +1 | +5 |
| 16 | +0,252 | + 0,5 | + 6,89 | −29,4 | +1 | +5 |
| 26 | +0,283 | + 5,7 | + 3,85 | −30,8 | 0 | +5 |
| 36 | +0,366 | +10,9 | + 0,73 | −31,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 18 29 9,2082 | +38 34 53,318 |
| 1771 | 29 11,2373 | 34 56,136 |
| 1772 | 29 13,2664 | 34 58,957 |
| 1773 | 29 15,2955 | 35 1,781 |
| 1774 | 29 17,3247 | 35 4,607 |
| 1775 | 29 19,3538 | 35 7,436 |
| 1776 | 29 21,3830 | 35 10,268 |
| 1777 | 29 23,4122 | 35 13,103 |
| 1778 | 29 25,4414 | 35 15,941 |
| 1779 | 29 27,4706 | 35 18,781 |
| 1780 | 29 29,4997 | 35 21,626 |
| 1781 | 29 31,5289 | 35 24,473 |
| 1782 | 29 33,5581 | 35 27,323 |
| 1783 | 29 35,5874 | 35 30,176 |
| 1784 | 29 37,6167 | 35 33,031 |
| 1785 | 29 39,6460 | 35 35,890 |
| 1786 | 29 41,6753 | 35 38,752 |
| 1787 | 29 43,7046 | 35 41,616 |
| 1788 | 29 45,7339 | 35 44,483 |
| 1789 | 29 47,7633 | 35 47,353 |
| 1790 | 29 49,7927 | 35 50,226 |

Diei reducto addendum est:

ante } Dec. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. γ *Aquilae.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 19 35 20,271 | + 10 4 9,23 |
| | Apr. 10 | 20,247 | 9,87 |
| | Jul. 19 | 20,216 | 10,47 |
| | Oct. 27 | 20,177 | 11,02 |
| | Dec. 66 | 20,131 | 11,52 |
| 1771 | Jan. 0 | 19 35 23,003 | + 10 4 19,46 |
| | Apr. 10 | 22,952 | 19,91 |
| | Jul. 19 | 22,894 | 20,30 |
| | Oct. 27 | 22,830 | 20,62 |
| | Dec. 66 | 22,760 | 20,87 |
| 1772 | Jan. 1 | 19 35 25,640 | + 10 4 28,90 |
| | Apr. 10 | 25,566 | 29,10 |
| | Jul. 19 | 25,489 | 29,23 |
| | Oct. 27 | 25,407 | 29,28 |
| | Dec. 66 | 25,322 | 29,26 |
| 1773 | Jan. 0 | 19 35 28,206 | + 10 4 37,38 |
| | Apr. 10 | 28,119 | 37,31 |
| | Jul. 19 | 28,031 | 37,16 |
| | Oct. 27 | 27,942 | 36,94 |
| | Dec. 66 | 27,851 | 36,64 |
| 1774 | Jan. 0 | 19 35 30,737 | + 10 4 44,86 |
| | Apr. 10 | 30,647 | 44,52 |
| | Jul. 19 | 30,558 | 44,11 |
| | Oct. 27 | 30,472 | 43,64 |
| | Dec. 66 | 30,387 | 43,10 |
| 1775 | Jan. 0 | 19 35 33,270 | + 10 4 51,40 |
| | Apr. 10 | 33,188 | 50,83 |
| | Jul. 19 | 33,110 | 50,21 |
| | Oct. 27 | 33,037 | 49,55 |
| | Dec. 66 | 32,968 | 48,84 |
| 1776 | Jan. 1 | 19 35 35,845 | + 10 4 57,20 |
| | Apr. 10 | 35,780 | 56,47 |
| | Jul. 19 | 35,722 | 55,72 |
| | Oct. 27 | 35,670 | 54,94 |
| | Dec. 66 | 35,625 | 54,15 |
| 1777 | Jan. 0 | 19 35 38,494 | + 10 5 2,54 |
| | Apr. 10 | 38,454 | 1,74 |
| | Jul. 19 | 38,422 | 0,94 |
| | Oct. 27 | 38,397 | 0,15 |
| | Dec. 66 | 38,380 | 4 59,36 |
| 1778 | Jan. 0 | 19 35 41,240 | + 10 5 7,75 |
| | Apr. 10 | 41,229 | 6,97 |
| | Jul. 19 | 41,226 | 6,22 |
| | Oct. 27 | 41,231 | 5,50 |
| | Dec. 66 | 41,244 | 4,80 |
| 1779 | Jan. 0 | 19 35 44,094 | + 10 5 13,16 |
| | Apr. 10 | 44,112 | 12,49 |
| | Jul. 19 | 44,138 | 11,87 |
| | Oct. 27 | 44,171 | 11,29 |
| | Dec. 66 | 44,212 | 10,77 |
| 1780 | Jan. 1 | 19 35 47,053 | + 10 5 19,07 |
| | Apr. 10 | 47,098 | 18,58 |
| | Jul. 19 | 47,149 | 18,15 |
| | Oct. 27 | 47,206 | 17,79 |
| | Dec. 66 | 47,269 | 17,49 |
| 1781 | Jan. 0 | 19 35 50,103 | + 10 5 25,72 |
| | Apr. 10 | 50,169 | 25,46 |
| | Jul. 19 | 50,240 | 25,28 |
| | Oct. 27 | 50,314 | 25,16 |
| | Dec. 66 | 50,393 | 25,11 |
| 1782 | Jan. 0 | 19 35 53,222 | + 10 5 33,26 |
| | Apr. 10 | 53,303 | 33,25 |
| | Jul. 19 | 53,385 | 33,32 |
| | Oct. 27 | 53,469 | 33,47 |
| | Dec. 66 | 53,554 | 33,68 |
| 1783 | Jan. 0 | 19 35 56,381 | + 10 5 41,75 |
| | Apr. 10 | 56,467 | 42,00 |
| | Jul. 19 | 56,552 | 42,31 |
| | Oct. 27 | 56,637 | 42,69 |
| | Dec. 66 | 56,721 | 43,13 |
| 1784 | Jan. 1 | 19 35 59,548 | + 10 5 51,12 |
| | Apr. 10 | 59,631 | 51,60 |
| | Jul. 19 | 59,710 | 52,13 |
| | Oct. 27 | 59,787 | 52,72 |
| | Dec. 66 | 59,860 | 53,35 |
| 1785 | Jan. 0 | 19 36 2,691 | + 10 6 1,28 |
| | Apr. 10 | 2,762 | 1,94 |
| | Jul. 19 | 2,827 | 2,63 |
| | Oct. 27 | 2,886 | 3,36 |
| | Dec. 66 | 2,940 | 4,11 |
| 1786 | Jan. 0 | 19 36 5,778 | + 10 6 12,01 |
| | Apr. 10 | 5,829 | 12,78 |
| | Jul. 19 | 5,872 | 13,56 |
| | Oct. 27 | 5,908 | 14,35 |
| | Dec. 66 | 5,937 | 15,14 |
| 1787 | Jan. 0 | 19 36 8,784 | + 10 6 23,03 |
| | Apr. 10 | 8,808 | 23,83 |
| | Jul. 19 | 8,824 | 24,61 |
| | Oct. 27 | 8,833 | 25,37 |
| | Dec. 66 | 8,833 | 26,12 |
| 1788 | Jan. 1 | 19 36 11,689 | + 10 6 34,04 |
| | Apr. 10 | 11,684 | 35,77 |
| | Jul. 19 | 11,671 | 35,46 |
| | Oct. 27 | 11,649 | 36,11 |
| | Dec. 66 | 11,620 | 36,72 |
| 1789 | Jan. 0 | 19 36 14,486 | + 10 6 44,69 |
| | Apr. 10 | 14,451 | 45,27 |
| | Jul. 19 | 14,409 | 45,79 |
| | Oct. 27 | 14,360 | 46,26 |
| | Dec. 66 | 14,304 | 46,66 |

## Tabulae X. Sect. II. *γ Aquilae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,294 | + 5,2 | + 0,08 | −17,2 | +1 | +1 | 1770 | 19 35 19,3381 | +10 4 4,353 |
| 10 | −1,223 | + 8,9 | − 1,66 | −17,4 | 0 | +1 | 1771 | 35 22,1935 | 4 12,453 |
| 20 | −1,116 | +12,4 | − 3,39 | −16,9 | 0 | +1 | 1772 | 35 25,0489 | 4 20,557 |
| 30 | −0,975 | +15,6 | − 5,03 | −15,7 | −1 | +1 | 1773 | 35 27,9042 | 4 28,665 |
| Febr. 9 | −0,804 | +18,5 | − 6,53 | −13,8 | −1 | +1 | 1774 | 35 30,7595 | 4 36,777 |
| | | | | | | | 1775 | 35 33,6148 | 4 44,892 |
| 19 | −0,606 | +21,1 | − 7,79 | −11,2 | −2 | +1 | 1776 | 35 36,4701 | 4 53,010 |
| Mart. 1 | −0,383 | +23,3 | − 8,77 | − 8,1 | −2 | +1 | 1777 | 35 39,3254 | 5 1,133 |
| 11 | −0,140 | +25,2 | − 9,41 | − 4,6 | −2 | +1 | 1778 | 35 42,1807 | 5 9,260 |
| 21 | +0,121 | +26,9 | − 9,69 | − 0,8 | −2 | +1 | 1779 | 35 45,0360 | 5 17,390 |
| 31 | +0,397 | +28,1 | − 9,57 | + 3,2 | −3 | 0 | 1780 | 35 47,8913 | 5 25,524 |
| | | | | | | | 1781 | 35 50,7466 | 5 33,662 |
| Apr. 10 | +0,783 | +28,9 | − 9,06 | + 7,0 | −3 | 0 | 1782 | 35 53,6018 | 5 41,804 |
| 20 | +0,974 | +29,3 | − 8,18 | +10,5 | −3 | 0 | 1783 | 35 56,4571 | 5 49,949 |
| 30 | +1,268 | +29,1 | − 6,97 | +13,6 | −3 | 0 | 1784 | 35 59,3123 | 5 58,098 |
| Maj. 10 | +1,556 | +28,4 | − 5,46 | +16,4 | −2 | 0 | 1785 | 36 2,1676 | 6 6,251 |
| 20 | +1,835 | +27,1 | − 3,70 | +18,5 | −2 | 0 | 1786 | 36 5,0228 | 6 14,408 |
| | | | | | | | 1787 | 36 7,8780 | 6 22,568 |
| 30 | +2,098 | +25,2 | − 1,77 | +19,9 | −2 | +1 | 1788 | 36 10,7333 | 6 30,732 |
| Jun. 9 | +2,339 | +22,7 | + 0,28 | +20,8 | −1 | +1 | 1789 | 36 13,5885 | 6 38,900 |
| 19 | +2,552 | +19,6 | + 2,38 | +21,0 | −1 | +1 | 1790 | 36 16,4437 | 6 47,072 |
| 29 | +2,731 | +16,0 | + 4,47 | +20,7 | −1 | +1 | | | |
| Jul. 9 | +2,872 | +12,0 | + 6,51 | +19,9 | 0 | +1 | | | |
| 19 | +2,971 | + 7,8 | + 8,44 | +18,6 | 0 | +1 | | | |
| 29 | +3,027 | + 3,3 | +10,22 | +16,9 | 0 | +2 | | | |
| Aug. 8 | +3,037 | − 1,1 | +11,82 | +15,0 | +1 | +2 | | | |
| 18 | +3,005 | − 5,3 | +13,22 | +12,9 | +1 | +2 | | | |
| 28 | +2,932 | − 9,1 | +14,39 | +10,5 | +2 | +2 | | | |
| Sept. 7 | +2,823 | −12,4 | +15,32 | + 8,1 | +2 | +3 | | | |
| 17 | +2,685 | −14,8 | +16,00 | + 5,6 | +2 | +3 | | | |
| 27 | +2,527 | −16,6 | +16,43 | + 3,1 | +2 | +3 | | | |
| Oct. 7 | +2,354 | −17,4 | +16,61 | + 0,5 | +3 | +3 | | | |
| 17 | +2,179 | −17,2 | +16,52 | − 2,2 | +3 | +4 | | | |
| 27 | +2,010 | −16,2 | +16,18 | − 4,7 | +3 | +4 | | | |
| Nov. 6 | +1,856 | −14,3 | +15,59 | − 7,2 | +2 | +4 | | | |
| 16 | +1,725 | −11,7 | +14,74 | − 9,6 | +2 | +4 | | | |
| 26 | +1,623 | − 8,5 | +13,67 | −11,8 | +2 | +4 | | | |
| Dec. 6 | +1,556 | − 4,9 | +12,38 | −13,9 | +2 | +5 | | | |
| 16 | +1,526 | − 1,1 | +10,90 | −15,5 | +1 | +5 | | | |
| 26 | +1,535 | + 2,9 | + 9,28 | −16,7 | +1 | +5 | | | |
| 36 | +1,583 | + 6,7 | + 7,57 | −17,3 | 0 | +5 | | | |

Diei reducto addendum est:

| | | |
|---|---|---|
| ante | Jan. 11 | 0 |
| post | | + 1 |

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *a Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 19 39 34,486 | + 8 16 40,37 | 1780 | Jan. 1 | 19 40 1,988 | + 8 17 57,19 |
| | Apr. 10 | 34,462 | 41,01 | | Apr. 10 | 2,035 | 56,71 |
| | Jul. 19 | 34,430 | 41,60 | | Jul. 19 | 2,087 | 56,29 |
| | Oct. 27 | 34,390 | 42,14 | | Oct. 27 | 2,145 | 55,94 |
| | Dec. 66 | 34,342 | 42,62 | | Dec. 66 | 2,210 | 55,65 |
| 1771 | Jan. 0 | 19 39 37,288 | + 8 16 51,28 | 1781 | Jan. 0 | 19 40 5,117 | + 8 18 4,59 |
| | Apr. 10 | 37,236 | 51,72 | | Apr. 10 | 5,185 | 4,35 |
| | Jul. 19 | 37,177 | 52,10 | | Jul. 19 | 5,257 | 4,17 |
| | Oct. 27 | 37,112 | 52,41 | | Oct. 27 | 5,331 | 4,06 |
| | Dec. 66 | 37,041 | 52,65 | | Dec. 66 | 5,412 | 4,02 |
| 1772 | Jan. 1 | 19 39 39,995 | + 8 17 1,39 | 1782 | Jan. 0 | 19 40 8,315 | + 8 18 12,88 |
| | Apr. 10 | 39,920 | 1,58 | | Apr. 10 | 8,397 | 12,89 |
| | Jul. 19 | 39,841 | 1,70 | | Jul. 19 | 8,480 | 12,97 |
| | Oct. 27 | 39,758 | 1,74 | | Oct. 27 | 8,565 | 13,12 |
| | Dec. 66 | 39,672 | 1,70 | | Dec. 66 | 8,652 | 13,34 |
| 1773 | Jan. 0 | 19 39 42,630 | + 8 17 10,54 | 1783 | Jan. 0 | 19 40 11,553 | + 8 18 22,11 |
| | Apr. 10 | 42,542 | 10,46 | | Apr. 10 | 11,638 | 22,37 |
| | Jul. 19 | 42,452 | 10,30 | | Jul. 19 | 11,723 | 22,70 |
| | Oct. 27 | 42,362 | 10,06 | | Oct. 27 | 11,810 | 23,09 |
| | Dec. 66 | 42,270 | 9,75 | | Dec. 66 | 11,897 | 23,54 |
| 1774 | Jan. 0 | 19 39 45,230 | + 8 17 18,69 | 1784 | Jan. 1 | 19 40 14,798 | + 8 18 32,25 |
| | Apr. 10 | 45,138 | 18,34 | | Apr. 10 | 14,882 | 32,73 |
| | Jul. 19 | 45,049 | 17,92 | | Jul. 19 | 14,962 | 33,27 |
| | Oct. 27 | 44,965 | 17,44 | | Oct. 27 | 15,039 | 33,85 |
| | Dec. 66 | 44,876 | 16,89 | | Dec. 66 | 15,113 | 34,49 |
| 1775 | Jan. 0 | 19 39 47,833 | + 8 17 25,91 | 1785 | Jan. 0 | 19 40 18,019 | + 8 18 43,14 |
| | Apr. 10 | 47,750 | 25,33 | | Apr. 10 | 18,089 | 43,80 |
| | Jul. 19 | 47,671 | 24,71 | | Jul. 19 | 18,154 | 44,50 |
| | Oct. 27 | 47,697 | 24,04 | | Oct. 27 | 18,214 | 45,22 |
| | Dec. 66 | 47,528 | 23,33 | | Dec. 66 | 18,269 | 45,98 |
| 1776 | Jan. 1 | 19 39 50,479 | + 8 17 32,40 | 1786 | Jan. 0 | 19 40 21,181 | + 8 18 54,59 |
| | Apr. 10 | 50,413 | 31,67 | | Apr. 10 | 21,231 | 55,36 |
| | Jul. 19 | 50,355 | 30,91 | | Jul. 19 | 21,274 | 56,14 |
| | Oct. 27 | 50,303 | 30,14 | | Oct. 27 | 21,310 | 56,93 |
| | Dec. 66 | 50,258 | 29,35 | | Dec. 66 | 21,340 | 57,72 |
| 1777 | Jan. 0 | 19 39 53,201 | + 8 17 38,45 | 1787 | Jan. 0 | 19 40 24,260 | + 8 19 6,32 |
| | Apr. 10 | 53,161 | 37,65 | | Apr. 10 | 24,284 | 7,11 |
| | Jul. 19 | 53,129 | 36,85 | | Jul. 19 | 24,300 | 7,89 |
| | Oct. 27 | 53,105 | 36,06 | | Oct. 27 | 24,308 | 8,65 |
| | Dec. 66 | 53,089 | 35,28 | | Dec. 66 | 24,308 | 9,39 |
| 1778 | Jan. 0 | 19 39 56,022 | + 8 17 44,38 | 1788 | Jan. 1 | 19 40 27,238 | + 8 19 18,02 |
| | Apr. 10 | 56,012 | 43,61 | | Apr. 10 | 27,232 | 18,74 |
| | Jul. 19 | 56,009 | 42,86 | | Jul. 19 | 27,218 | 19,42 |
| | Oct. 27 | 56,014 | 42,15 | | Oct. 27 | 27,196 | 20,07 |
| | Dec. 66 | 56,027 | 41,46 | | Dec. 66 | 27,165 | 20,67 |
| 1779 | Jan. 0 | 19 39 58,952 | + 8 17 50,52 | 1789 | Jan. 0 | 19 40 30,105 | + 8 19 29,36 |
| | Apr. 10 | 58,971 | 49,86 | | Apr. 10 | 30,069 | 29,93 |
| | Jul. 19 | 58,998 | 49,25 | | Jul. 19 | 30,026 | 30,44 |
| | Oct. 27 | 59,032 | 48,68 | | Oct. 27 | 29,976 | 30,89 |
| | Dec. 66 | 59,074 | 48,17 | | Dec. 66 | 29,919 | 31,28 |

## Tabulae X. Sect. II. *α Aquilae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,281 | + 5,1 | − 0,03 | −16,0 | +1 | +1 | 1770 | 19 39 33,5422 | + 8 16 35,412 |
| 10 | −1,211 | + 8,8 | − 1,65 | −16,2 | 0 | +1 | 1771 | 39 36,4716 | 16 44,224 |
| 20 | −1,106 | +12,2 | − 3,26 | −15,7 | 0 | +1 | 1772 | 39 39,4010 | 16 53,039 |
| 30 | −0,967 | +15,4 | − 4,79 | −14,6 | −1 | +1 | 1773 | 39 42,3304 | 17 1,858 |
| Febr. 9 | −0,798 | +18,3 | − 6,18 | −12,8 | −1 | +1 | 1774 | 39 45,2597 | 17 10,681 |
| | | | | | | | 1775 | 39 48,1890 | 17 19,508 |
| 19 | −0,602 | +20,8 | − 7,35 | −10,3 | −2 | +1 | 1776 | 39 51,1183 | 17 28,339 |
| Mart. 1 | −0,382 | +23,1 | − 8,24 | − 7,3 | −2 | +1 | 1777 | 39 54,0475 | 17 37,174 |
| 11 | −0,140 | +25,1 | − 8,81 | − 3,9 | −2 | +1 | 1778 | 39 56,9768 | 17 46,012 |
| 21 | +0,119 | +26,7 | − 9,02 | − 0,3 | −3 | 0 | 1779 | 39 59,9060 | 17 54,854 |
| 31 | +0,394 | +28,0 | − 8,86 | + 3,5 | −3 | 0 | 1780 | 40 2,8353 | 18 3,700 |
| | | | | | | | 1781 | 40 5,7645 | 18 12,550 |
| Apr. 10 | +0,679 | +28,9 | − 8,33 | + 7,1 | −3 | 0 | 1782 | 40 8,6937 | 18 21,404 |
| 20 | +0,972 | +29,4 | − 7,44 | +10,6 | −3 | 0 | 1783 | 40 11,6230 | 18 30,262 |
| 30 | +1,266 | +29,3 | − 6,22 | +13,6 | −3 | 0 | 1784 | 40 14,5522 | 18 39,123 |
| Maj. 10 | +1,557 | +28,7 | − 4,73 | +16,1 | −2 | 0 | 1785 | 40 17,4814 | 18 47,987 |
| 20 | +1,839 | +27,4 | − 3,01 | +18,1 | −2 | 0 | 1786 | 40 20,4106 | 18 56,856 |
| | | | | | | | 1787 | 40 23,3398 | 19 5,729 |
| 30 | +2,105 | +25,6 | − 1,11 | +19,5 | −2 | +1 | 1788 | 40 26,2688 | 19 14,606 |
| Jun. 9 | +2,351 | +23,2 | + 0,88 | +20,2 | −2 | +1 | 1789 | 40 29,1979 | 19 23,487 |
| 19 | +2,568 | +20,1 | + 2,93 | +20,4 | −1 | +1 | 1790 | 40 32,1270 | 19 32,371 |
| 29 | +2,753 | +16,6 | + 4,96 | +20,1 | −1 | +1 | | | |
| Jul. 9 | +2,900 | +12,6 | + 6,94 | +19,2 | 0 | +1 | | | |
| 19 | +3,005 | + 8,4 | + 8,80 | +17,9 | 0 | +2 | | | |
| 29 | +3,067 | + 4,0 | +10,51 | +16,3 | 0 | +2 | | | |
| Aug. 8 | +3,084 | − 0,5 | +12,05 | +14,4 | +1 | +2 | | | |
| 18 | +3,058 | − 4,7 | +13,38 | +12,3 | +1 | +2 | | | |
| 28 | +2,991 | − 8,5 | +14,50 | +10,0 | +2 | +3 | | | |
| Sept. 7 | +2,888 | −11,8 | +15,38 | + 7,7 | +2 | +3 | | | |
| 17 | +2,755 | −14,4 | +16,03 | + 5,3 | +2 | +3 | | | |
| 27 | +2,600 | −16,2 | +16,44 | + 2,9 | +2 | +3 | | | |
| Oct. 7 | +2,432 | −17,0 | +16,61 | + 0,5 | +3 | +4 | | | |
| 17 | +2,261 | −16,9 | +16,54 | − 2,0 | +3 | +4 | | | |
| 27 | +2,094 | −15,9 | +16,22 | − 4,4 | +3 | +4 | | | |
| Nov. 6 | +1,943 | −14,1 | +15,67 | − 6,7 | +3 | +4 | | | |
| 16 | +1,813 | −11,6 | +14,89 | − 8,9 | +2 | +4 | | | |
| 26 | +1,712 | − 8,4 | +13,89 | −11,0 | +2 | +4 | | | |
| Dec. 6 | +1,645 | − 4,9 | +12,69 | −12,9 | +2 | +5 | | | |
| 16 | +1,615 | − 1,1 | +11,32 | −14,4 | +1 | +5 | | | |
| 26 | +1,623 | + 2,8 | + 9,81 | −15,6 | +1 | +5 | | | |
| 36 | +1,670 | + 6,5 | + 8,21 | −16,2 | 0 | +5 | | | |

Diei reducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. β *Aquilae.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 19 44 1,705 | + 5 50 56,09 |
| | Apr. 10 | 1,679 | 56,72 |
| | Jul. 19 | 1,645 | 57,30 |
| | Oct. 27 | 1,603 | 57,83 |
| | Dec. 66 | 1,554 | 58,30 |
| 1771 | Jan. 0 | 19 44 4,523 | + 5 51 6,45 |
| | Apr. 10 | 4,469 | 6,88 |
| | Jul. 19 | 4,408 | 7,25 |
| | Oct. 27 | 4,341 | 7,54 |
| | Dec. 66 | 4,268 | 7,77 |
| 1772 | Jan. 1 | 19 44 7,244 | + 5 51 16,01 |
| | Apr. 10 | 7,167 | 16,19 |
| | Jul. 19 | 7,086 | 16,29 |
| | Oct. 27 | 7,001 | 16,32 |
| | Dec. 66 | 6,913 | 16,27 |
| 1773 | Jan. 0 | 19 44 9,894 | + 5 51 24,61 |
| | Apr. 10 | 9,803 | 24,51 |
| | Jul. 19 | 9,712 | 24,34 |
| | Oct. 27 | 9,620 | 24,09 |
| | Dec. 66 | 9,527 | 23,77 |
| 1774 | Jan. 0 | 19 44 12,509 | + 5 51 32,21 |
| | Apr. 10 | 12,416 | 31,85 |
| | Jul. 19 | 12,325 | 31,42 |
| | Oct. 27 | 12,236 | 30,93 |
| | Dec. 66 | 12,149 | 30,38 |
| 1775 | Jan. 0 | 19 44 15,129 | + 5 51 38,89 |
| | Apr. 10 | 15,044 | 38,30 |
| | Jul. 19 | 14,964 | 37,67 |
| | Oct. 27 | 14,889 | 37,00 |
| | Dec. 66 | 14,819 | 36,29 |
| 1776 | Jan. 1 | 19 44 17,793 | + 5 51 44,86 |
| | Apr. 10 | 17,727 | 44,12 |
| | Jul. 19 | 17,668 | 43,36 |
| | Oct. 27 | 17,616 | 42,59 |
| | Dec. 66 | 17,570 | 41,80 |
| 1777 | Jan. 0 | 19 44 20,536 | + 5 51 50,39 |
| | Apr. 10 | 20,496 | 49,59 |
| | Jul. 19 | 20,464 | 48,80 |
| | Oct. 27 | 20,440 | 48,02 |
| | Dec. 66 | 20,424 | 47,24 |
| 1778 | Jan. 0 | 19 44 23,379 | + 5 51 55,83 |
| | Apr. 10 | 23,369 | 55,06 |
| | Jul. 19 | 23,368 | 54,32 |
| | Oct. 27 | 23,375 | 53,61 |
| | Dec. 66 | 23,390 | 52,93 |
| 1779 | Jan. 0 | 19 44 26,334 | + 5 52 1,49 |
| | Apr. 10 | 26,355 | 0,84 |
| | Jul. 19 | 26,383 | 0,24 |
| | Oct. 27 | 26,419 | 51 59,69 |
| | Dec. 66 | 26,462 | 59,18 |
| 1780 | Jan. 1 | 19 44 29,397 | + 5 52 7,68 |
| | Apr. 10 | 29,445 | 7,21 |
| | Jul. 19 | 29,499 | 6,81 |
| | Oct. 27 | 29,559 | 6,47 |
| | Dec. 66 | 29,625 | 6,20 |
| 1781 | Jan. 0 | 19 44 32,553 | + 5 52 14,62 |
| | Apr. 10 | 32,623 | 14,39 |
| | Jul. 19 | 32,697 | 14,23 |
| | Oct. 27 | 32,775 | 14,14 |
| | Dec. 66 | 32,857 | 14,11 |
| 1782 | Jan. 0 | 19 44 35,780 | + 5 52 22,46 |
| | Apr. 10 | 35,864 | 22,48 |
| | Jul. 19 | 35,949 | 22,57 |
| | Oct. 27 | 36,036 | 22,73 |
| | Dec. 66 | 36,125 | 22,96 |
| 1783 | Jan. 0 | 19 44 39,046 | + 5 52 31,22 |
| | Apr. 10 | 39,135 | 31,50 |
| | Jul. 19 | 39,223 | 31,83 |
| | Oct. 27 | 39,310 | 32,23 |
| | Dec. 66 | 39,396 | 32,69 |
| 1784 | Jan. 1 | 19 44 42,318 | + 5 52 40,88 |
| | Apr. 10 | 42,403 | 41,38 |
| | Jul. 19 | 42,484 | 41,92 |
| | Oct. 27 | 42,562 | 42,52 |
| | Dec. 66 | 42,637 | 43,16 |
| 1785 | Jan. 0 | 19 44 45,563 | + 5 52 51,29 |
| | Apr. 10 | 45,635 | 51,96 |
| | Jul. 19 | 45,701 | 52,66 |
| | Oct. 27 | 45,761 | 53,38 |
| | Dec. 66 | 45,816 | 54,14 |
| 1786 | Jan. 0 | 19 44 48,749 | + 5 53 2,25 |
| | Apr. 10 | 48,800 | 3,02 |
| | Jul. 19 | 48,843 | 3,79 |
| | Oct. 27 | 48,879 | 4,57 |
| | Dec. 66 | 48,908 | 5,36 |
| 1787 | Jan. 0 | 19 44 51,850 | + 5 53 13,46 |
| | Apr. 10 | 51,873 | 14,25 |
| | Jul. 19 | 51,888 | 15,02 |
| | Oct. 27 | 51,895 | 15,77 |
| | Dec. 66 | 51,894 | 16,50 |
| 1788 | Jan. 1 | 19 44 54,846 | + 5 53 24,63 |
| | Apr. 10 | 54,839 | 25,34 |
| | Jul. 19 | 54,824 | 26,02 |
| | Oct. 27 | 54,800 | 26,65 |
| | Dec. 66 | 54,769 | 27,24 |
| 1789 | Jan. 0 | 19 44 57,731 | + 5 53 35,42 |
| | Apr. 10 | 57,694 | 35,98 |
| | Jul. 19 | 57,649 | 36,48 |
| | Oct. 27 | 57,597 | 36,92 |
| | Dec. 66 | 57,538 | 37,30 |

## Tabulae X. Sect. II. *β Aquilae.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1″,267 | + 4,8 | − 0″,23 | −14,8 | +1 | +1 | 1770 | 19 44 0,7459 | + 5 50 51,041 |
| 10 | −1,200 | + 8,5 | − 1,73 | −15,0 | 0 | +1 | 1771 | 44 3,6968 | 50 59,346 |
| 20 | −1,098 | +11,9 | − 3,22 | −14,5 | 0 | +1 | 1772 | 44 6,6477 | 51 7,655 |
| 30 | −0,963 | +15,0 | − 4,63 | −13,4 | −1 | +1 | 1773 | 44 9,5986 | 51 15,968 |
| Febr. 9 | −0,798 | +17,9 | − 5,90 | −11,7 | −1 | +1 | 1774 | 44 12,5495 | 51 24,285 |
| | | | | | | | 1775 | 44 15,5004 | 51 32,605 |
| 19 | −0,605 | +20,5 | − 6,97 | − 9,4 | −2 | +1 | 1776 | 44 18,4512 | 51 40,929 |
| Mart. 1 | −0,389 | +22,7 | − 7,78 | − 6,6 | −2 | +1 | 1777 | 44 21,4022 | 51 49,257 |
| 11 | −0,151 | +24,8 | − 8,28 | − 3,3 | −2 | +1 | 1778 | 44 24,3530 | 51 57,588 |
| 21 | +0,106 | +26,5 | − 8,44 | + 0,2 | −3 | 0 | 1779 | 44 27,3038 | 52 5,923 |
| 31 | +0,378 | +27,8 | − 8,25 | + 3,6 | −3 | 0 | 1780 | 44 30,2545 | 52 14,262 |
| | | | | | | | 1781 | 44 33,2053 | 52 22,604 |
| Apr. 10 | +0,661 | +28,7 | − 7,72 | + 7,1 | −3 | 0 | 1782 | 44 36,1561 | 52 30,950 |
| 20 | +0,952 | +29,3 | − 6,84 | +10,3 | −3 | 0 | 1783 | 44 39,1069 | 52 39,300 |
| 30 | +1,246 | +29,3 | − 5,67 | +13,1 | −3 | 0 | 1784 | 44 42,0576 | 52 47,654 |
| Maj. 10 | +1,537 | +28,7 | − 4,23 | +15,5 | −2 | 0 | 1785 | 44 45,0083 | 52 56,011 |
| 20 | +1,820 | +27,6 | − 2,58 | +17,3 | −2 | 0 | 1786 | 44 47,9590 | 53 4,372 |
| | | | | | | | 1787 | 44 50,9097 | 53 12,737 |
| 30 | +2,089 | +25,9 | − 0,78 | +18,5 | −2 | +1 | 1788 | 44 53,8604 | 53 21,105 |
| Jun. 9 | +2,338 | +23,5 | + 1,11 | +19,1 | −2 | +1 | 1789 | 44 56,8111 | 53 29,477 |
| 19 | +2,559 | +20,5 | + 3,04 | +19,2 | −1 | +1 | 1790 | 44 59,7617 | 53 37,853 |
| 29 | +2,748 | +17,0 | + 4,95 | +18,8 | −1 | +1 | | | |
| Jul. 9 | +2,900 | +13,0 | + 6,79 | +17,9 | −1 | +1 | | | |
| 19 | +3,010 | + 8,9 | + 8,52 | +16,6 | 0 | +2 | | | |
| 29 | +3,077 | + 4,5 | +10,10 | +14,9 | 0 | +2 | | | |
| Aug. 8 | +3,100 | + 0,1 | +11,50 | +13,0 | +1 | +2 | | | |
| 18 | +3,078 | − 4,2 | +12,70 | +11,0 | +1 | +2 | | | |
| 28 | +3,016 | − 8,1 | +13,70 | + 8,9 | +1 | +3 | | | |
| Sept. 7 | +2,917 | −11,4 | +14,48 | + 6,7 | +2 | +3 | | | |
| 17 | +2,788 | −14,0 | +15,04 | + 4,5 | +2 | +3 | | | |
| 27 | +2,637 | −15,9 | +15,37 | + 2,3 | +2 | +3 | | | |
| Oct. 7 | +2,471 | −16,8 | +15,49 | + 0,1 | +2 | +3 | | | |
| 17 | +2,302 | −16,7 | +15,38 | − 2,2 | +3 | +4 | | | |
| 27 | +2,137 | −15,8 | +15,05 | − 4,4 | +3 | +4 | | | |
| Nov. 6 | +1,986 | −14,1 | +14,51 | − 6,4 | +3 | +4 | | | |
| 16 | +1,856 | −11,6 | +13,77 | − 8,4 | +2 | +4 | | | |
| 26 | +1,755 | − 8,5 | +12,83 | −10,4 | +2 | +4 | | | |
| Dec. 6 | +1,687 | − 5,0 | +11,70 | −12,0 | +2 | +4 | | | |
| 16 | +1,655 | − 1,3 | +10,43 | −13,4 | +1 | +4 | | | |
| 26 | +1,661 | + 2,5 | + 9,02 | −14,4 | +1 | +4 | | | |
| 36 | +1,705 | + 6,2 | + 7,55 | −15,0 | 0 | +4 | | | |

Diei reducto addendum est:

ante } Jan. 13 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. 1*a* *Capricorni.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | h 20 ′ 4 ″ 54,109 | —13° ′ 12 ″ 4,06 | 1780 | Jan. 1 | h 20 ′ 5 ″ 25,505 | —13° ′ 10 ″ 32,40 |
| | Apr. 10 | 54,070 | 3,48 | | Apr. 10 | 25,567 | 32,81 |
| | Jul. 19 | 54,024 | 2,96 | | Jul. 19 | 25,636 | 33,15 |
| | Oct. 27 | 53,969 | 2,49 | | Oct. 27 | 25,711 | 33,43 |
| | Dec. 66 | 53,905 | 2,07 | | Dec. 66 | 25,792 | 33,65 |
| 1771 | Jan. 0 | 20 4 57,265 | —13 11 51,83 | 1781 | Jan. 0 | 20 5 29,101 | —13 10 23,16 |
| | Apr. 10 | 57,196 | 51,46 | | Apr. 10 | 29,186 | 23,33 |
| | Jul. 19 | 57,120 | 51,15 | | Jul. 19 | 29,274 | 23,44 |
| | Oct. 27 | 57,038 | 50,92 | | Oct. 27 | 29,366 | 23,47 |
| | Dec. 66 | 56,949 | 50,75 | | Dec. 66 | 29,462 | 23,44 |
| 1772 | Jan. 1 | 20 5 0,317 | —13 11 40,42 | 1782 | Jan. 0 | 20 5 32,766 | —13 10 13,04 |
| | Apr. 10 | 0,225 | 40,30 | | Apr. 10 | 32,864 | 12,96 |
| | Jul. 19 | 0,129 | 40,26 | | Jul. 19 | 32,963 | 12,81 |
| | Oct. 27 | 0,029 | 40,29 | | Oct. 27 | 33,063 | 12,60 |
| | Dec. 66 | 4 59,926 | 40,40 | | Dec. 66 | 33,164 | 12,32 |
| 1773 | Jan. 0 | 20 5 3,298 | —13 11 29,97 | 1783 | Jan. 0 | 20 5 36,467 | —13 10 1,99 |
| | Apr. 10 | 3,194 | 30,13 | | Apr. 10 | 36,567 | 1,67 |
| | Jul. 19 | 3,089 | 30,36 | | Jul. 19 | 36,666 | 1,29 |
| | Oct. 27 | 2,984 | 30,65 | | Oct. 27 | 36.763 | 0,86 |
| | Dec. 66 | 2,879 | 31,02 | | Dec. 66 | 36,858 | 0,36 |
| 1774 | Jan. 0 | 20 5 6,251 | —13 11 20,50 | 1784 | Jan. 1 | 20 5 40,163 | —13 9 50,10 |
| | Apr. 10 | 6,147 | 20,91 | | Apr. 10 | 40,256 | 49,57 |
| | Jul. 19 | 6,046 | 21,38 | | Jul. 19 | 40,344 | 49,00 |
| | Oct. 27 | 5,948 | 21,91 | | Oct. 27 | 40,423 | 48,38 |
| | Dec. 66 | 5,854 | 22,49 | | Dec. 66 | 40,507 | 47,72 |
| 1775 | Jan. 0 | 20 5 9,222 | —13 11 11,89 | 1785 | Jan. 0 | 20 5 43,817 | —13 9 37,51 |
| | Apr. 10 | 9,131 | 12,50 | | Apr. 10 | 43,893 | 36,83 |
| | Jul. 19 | 9,046 | 13,16 | | Jul. 19 | 43,961 | 36,12 |
| | Oct. 27 | 8,967 | 13,85 | | Oct. 27 | 44,022 | 35,39 |
| | Dec. 66 | 8,894 | 14,57 | | Dec. 66 | 44,077 | 34,63 |
| 1776 | Jan. 1 | 20 5 12,254 | —13 11 3,93 | 1786 | Jan. 0 | 20 5 47,396 | —13 9 24,45 |
| | Apr. 10 | 12,187 | 4,67 | | Apr. 10 | 47,445 | 23,68 |
| | Jul. 19 | 12,128 | 5,43 | | Jul. 19 | 47,486 | 22,92 |
| | Oct. 27 | 12,077 | 6,20 | | Oct. 27 | 47,518 | 22,15 |
| | Dec. 66 | 12,034 | 6,99 | | Dec. 66 | 47,541 | 21,38 |
| 1777 | Jan. 0 | 20 5 15,384 | —13 10 56,32 | 1787 | Jan. 0 | 20 5 50,870 | —13 9 11,19 |
| | Apr. 10 | 15,347 | 57,10 | | Apr. 10 | 50,888 | 10,43 |
| | Jul. 19 | 15,320 | 57,88 | | Jul. 19 | 50,896 | 9,69 |
| | Oct. 27 | 15,302 | 58,64 | | Oct. 27 | 50,894 | 8,98 |
| | Dec. 66 | 15,294 | 59,39 | | Dec. 66 | 50,883 | 8,28 |
| 1778 | Jan. 0 | 20 5 18,633 | —13 10 48,74 | 1788 | Jan. 1 | 20 5 54,224 | —13 8 58,06 |
| | Apr. 10 | 18,631 | 49,47 | | Apr. 10 | 54,207 | 57,39 |
| | Jul. 19 | 18,639 | 50,17 | | Jul. 19 | 54,180 | 56,76 |
| | Oct. 27 | 18,656 | 50,84 | | Oct. 27 | 54,144 | 56,17 |
| | Dec. 66 | 18,682 | 51,47 | | Dec. 66 | 54,099 | 55,63 |
| 1779 | Jan. 0 | 20 5 22,009 | —13 10 40,85 | 1789 | Jan. 0 | 20 5 57,451 | —13 8 45,36 |
| | Apr. 10 | 22,041 | 41,46 | | Apr. 10 | 57,400 | 44,85 |
| | Jul. 19 | 22,082 | 42,01 | | Jul. 19 | 57,341 | 44,41 |
| | Oct. 27 | 22,131 | 42,51 | | Oct. 27 | 57,274 | 44,03 |
| | Dec. 66 | 22,189 | 42,96 | | Dec. 66 | 57,200 | 43,71 |

## Tabulae X. Sect. II. 1*a* *Capricorni.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,255 | + 4,3 | − 2,54 | − 3,5 | +1 | −1 | 1770 | 20 4 53,0523 | −13 12 9,524 |
| 10 | −1,194 | + 7,9 | − 2,88 | − 3,1 | +1 | −1 | 1771 | 4 56,3898 | 11 59,146 |
| 20 | −1,098 | +11,3 | − 3,16 | − 2,5 | 0 | −1 | 1772 | 4 59,7272 | 11 48,764 |
| 30 | −0,969 | +14,4 | − 3,37 | − 1,7 | 0 | −1 | 1773 | 5 3,0645 | 11 38,378 |
| Febr. 9 | −0,810 | +17,3 | − 3,49 | − 0,5 | −1 | −1 | 1774 | 5 6,4018 | 11 27,988 |
| | | | | | | | 1775 | 5 9,7390 | 11 17,593 |
| 19 | −0,623 | +20,0 | − 3,47 | + 1,0 | −1 | −1 | 1776 | 5 13,0761 | 11 7,194 |
| Mart. 1 | −0,410 | +22,5 | − 3,30 | + 2,6 | −2 | −1 | 1777 | 5 16,4131 | 10 56,791 |
| 11 | −0,174 | +24,7 | − 2,96 | + 4,3 | −2 | −1 | 1778 | 5 19,7500 | 10 46,384 |
| 21 | +0,083 | +26,6 | − 2,44 | + 6,2 | −3 | 0 | 1779 | 5 23,0869 | 10 35,973 |
| 31 | +0,357 | +28,2 | − 1,73 | + 7,9 | −3 | 0 | 1780 | 5 26,4237 | 10 25,559 |
| | | | | | | | 1781 | 5 29,7604 | 10 15,140 |
| Apr. 10 | +0,646 | +29,5 | − 0,86 | + 9,5 | −3 | 0 | 1782 | 5 33,0970 | 10 4,717 |
| 20 | +0,947 | +30,4 | + 0,17 | +10,9 | −3 | 0 | 1783 | 5 36,4335 | 9 54,290 |
| 30 | +1,254 | +30,8 | + 1,32 | +12,0 | −3 | +1 | 1784 | 5 39,7700 | 9 43,859 |
| Maj. 10 | +1,563 | +30,7 | + 2,56 | +12,6 | −3 | +1 | 1785 | 5 43,1064 | 9 33,423 |
| 20 | +1,868 | +30,0 | + 3,84 | +12,8 | −3 | +1 | 1786 | 5 46,4427 | 9 22,983 |
| | | | | | | | 1787 | 5 49,7789 | 9 12,539 |
| 30 | +2,162 | +28,6 | + 5,12 | +12,6 | −3 | +2 | 1788 | 5 53,1150 | 9 2,091 |
| Jun. 9 | +2,439 | +26,5 | + 6,36 | +12,0 | −3 | +2 | 1789 | 5 56,4511 | 8 51,639 |
| 19 | +2,692 | +23,8 | + 7,52 | +11,1 | −2 | +2 | 1790 | 5 59,7871 | 8 41,184 |
| 29 | +2,914 | +20,4 | + 8,57 | + 9,8 | −2 | +3 | | | |
| Jul. 9 | +3,100 | +16,6 | + 9,48 | + 8,3 | −1 | +3 | | | |
| 19 | +3,245 | +12,3 | +10,23 | + 6,7 | −1 | +3 | | | |
| 29 | +3,345 | + 7,7 | +10,82 | + 5,0 | −1 | +4 | | | |
| Aug. 8 | +3,398 | + 3,0 | +11,23 | + 3,4 | 0 | +4 | | | |
| 18 | +3,405 | − 1,5 | +11,49 | + 1,8 | 0 | +4 | | | |
| 28 | +3,368 | − 5,7 | +11,59 | + 0,4 | +1 | +4 | | | |
| Sept. 7 | +3,291 | − 9,4 | +11,57 | − 0,7 | +1 | +4 | | | |
| 17 | +3,180 | −12,5 | +11,45 | − 1,7 | +2 | +4 | | | |
| 27 | +3,042 | −14,7 | +11,24 | − 2,4 | +2 | +4 | | | |
| Oct. 7 | +2,886 | −16,0 | +10,97 | − 3,0 | +2 | +4 | | | |
| 17 | +2,722 | −16,3 | +10,65 | − 3,3 | +3 | +4 | | | |
| 27 | +2,560 | −15,7 | +10,31 | − 3,5 | +3 | +4 | | | |
| Nov. 6 | +2,409 | −14,2 | + 9,96 | − 3,6 | +3 | +4 | | | |
| 16 | +2,277 | −11,9 | + 9,59 | − 3,7 | +2 | +4 | | | |
| 26 | +2,172 | − 8,9 | + 9,22 | − 3,8 | +2 | +4 | | | |
| Dec. 6 | +2,099 | − 5,5 | + 8,84 | − 3,8 | +2 | +4 | | | |
| 16 | +2,062 | − 1,9 | + 8,46 | − 3,8 | +1 | +4 | | | |
| 26 | +2,062 | + 1,9 | + 8,09 | − 3,6 | +1 | +4 | | | |
| 36 | +2,100 | + 5,6 | + 7,74 | − 3,4 | 0 | +3 | | | |

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. 2*a* *Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 20 5 17,691 | —13 14 23,34 | 1780 | Jan. 1 | 20 5 49,132 | —13 12 51,41 |
| | Apr. 10 | 17,653 | 22,76 | | Apr. 10 | 49,194 | 51,82 |
| | Jul. 19 | 17,606 | 22,24 | | Jul. 19 | 49,263 | 52,16 |
| | Oct. 27 | 17,550 | 21,77 | | Oct. 27 | 49,338 | 52,44 |
| | Dec. 66 | 17,486 | 21,36 | | Dec. 66 | 49,419 | 52,66 |
| 1771 | Jan. 0 | 20 5 20,851 | —13 14 11,08 | 1781 | Jan. 0 | 20 5 52,733 | —13 12 42,14 |
| | Apr. 10 | 20,782 | 10,71 | | Apr. 10 | 52,818 | 42,31 |
| | Jul. 19 | 20,706 | 10,41 | | Jul. 19 | 52,906 | 42,42 |
| | Oct. 27 | 20,624 | 10,17 | | Oct. 27 | 52,998 | 42,45 |
| | Dec. 66 | 20,535 | 10,01 | | Dec. 66 | 53,094 | 42,42 |
| 1772 | Jan. 1 | 20 5 23,907 | —13 13 59,65 | 1782 | Jan. 0 | 20 5 56,403 | —13 12 31,99 |
| | Apr. 10 | 23,815 | 59,53 | | Apr. 10 | 56,501 | 31,91 |
| | Jul. 19 | 23,719 | 59,49 | | Jul. 19 | 56,600 | 31,76 |
| | Oct. 27 | 23,620 | 59,53 | | Oct. 27 | 56,700 | 31,54 |
| | Dec. 66 | 23,517 | 59,64 | | Dec. 66 | 56,801 | 31,26 |
| 1773 | Jan. 0 | 20 5 26,893 | —13 13 49,18 | 1783 | Jan. 0 | 20 6 0,108 | —13 12 20,91 |
| | Apr. 10 | 26,789 | 49,34 | | Apr. 10 | 0,208 | 20,59 |
| | Jul. 19 | 26,684 | 49,56 | | Jul. 19 | 0,307 | 20,21 |
| | Oct. 27 | 26,579 | 49,86 | | Oct. 27 | 0,404 | 19,77 |
| | Dec. 66 | 26,474 | 50,23 | | Dec. 66 | 0,499 | 19,27 |
| 1774 | Jan. 0 | 20 5 29,851 | —13 13 39,68 | 1784 | Jan. 1 | 20 6 3,809 | —13 12 8,99 |
| | Apr. 10 | 29,747 | 40,09 | | Apr. 10 | 3,902 | 8,46 |
| | Jul. 19 | 29,646 | 40,56 | | Jul. 19 | 3,990 | 7,88 |
| | Oct. 27 | 29,548 | 41,09 | | Oct. 27 | 4,073 | 7,26 |
| | Dec. 66 | 29,454 | 41,67 | | Dec. 66 | 4,152 | 6,60 |
| 1775 | Jan. 0 | 20 5 32,826 | —13 13 31,05 | 1785 | Jan. 0 | 20 6 7,468 | —13 11 56,37 |
| | Apr. 10 | 32,735 | 31,66 | | Apr. 10 | 7,543 | 55,69 |
| | Jul. 19 | 32,650 | 32,31 | | Jul. 19 | 7,611 | 54,98 |
| | Oct. 27 | 32,571 | 33,00 | | Oct. 27 | 7,643 | 54,25 |
| | Dec. 66 | 32,498 | 33,73 | | Dec. 66 | 7,727 | 53,49 |
| 1776 | Jan. 1 | 20 5 35,863 | —13 13 23,06 | 1786 | Jan. 0 | 20 6 11,051 | —13 11 43,28 |
| | Apr. 10 | 35,695 | 23,80 | | Apr. 10 | 11,100 | 42,51 |
| | Jul. 19 | 35,736 | 24,56 | | Jul. 19 | 11,140 | 41,75 |
| | Oct. 27 | 35,685 | 25,33 | | Oct. 27 | 11,172 | 40,98 |
| | Dec. 66 | 35,642 | 26,12 | | Dec. 66 | 11,196 | 40,21 |
| 1777 | Jan. 0 | 20 5 38,997 | —13 13 15,42 | 1787 | Jan. 0 | 20 6 14,530 | —13 11 30,00 |
| | Apr. 10 | 38,961 | 16,21 | | Apr. 10 | 14,547 | 29,24 |
| | Jul. 19 | 38,934 | 16,98 | | Jul. 19 | 14,555 | 28,50 |
| | Oct. 27 | 38,916 | 17,74 | | Oct. 27 | 14,553 | 27,78 |
| | Dec. 66 | 38,908 | 18,49 | | Dec. 66 | 14,542 | 27,09 |
| 1778 | Jan. 0 | 20 5 42,251 | —13 13 7,81 | 1788 | Jan. 1 | 20 6 17,888 | —13 11 16,84 |
| | Apr. 10 | 42,249 | 8,54 | | Apr. 10 | 17,870 | 16,17 |
| | Jul. 19 | 42,257 | 9,24 | | Jul. 19 | 17,843 | 15,54 |
| | Oct. 27 | 42,274 | 9,91 | | Oct. 27 | 17,808 | 14,96 |
| | Dec. 66 | 42,300 | 10,54 | | Dec. 66 | 17,763 | 14,42 |
| 1779 | Jan. 0 | 20 5 45,632 | —13 12 59,90 | 1789 | Jan. 0 | 20 6 21,119 | —13 11 4,11 |
| | Apr. 10 | 45,664 | 13 0,50 | | Apr. 10 | 21,068 | 3,61 |
| | Jul. 19 | 45,705 | 1,05 | | Jul. 19 | 21,009 | 3,17 |
| | Oct. 27 | 45,754 | 1,55 | | Oct. 27 | 20,943 | 2,79 |
| | Dec. 66 | 45,811 | 2,00 | | Dec. 66 | 20,868 | 2,47 |

## Tabulae X. Sect. II. 2a *Capricorni.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,255 | + 4,2 | — 2,56 | — 3,5 | +1 | —1 |
| 10 | —1,194 | + 7,9 | — 2,89 | — 3,1 | +1 | —1 |
| 20 | —1,098 | +11,2 | — 3,17 | — 2,5 | 0 | —1 |
| 30 | —0,970 | +14,4 | — 3,38 | — 1,6 | 0 | —1 |
| Febr. 9 | —0,810 | +17,4 | — 3,48 | — 0,4 | —1 | —1 |
| 19 | —0,623 | +20,0 | — 3,46 | + 1,0 | —1 | —1 |
| Mart. 1 | —0,411 | +22,4 | — 3,29 | + 2,6 | —2 | —1 |
| 11 | —0,175 | +24,6 | — 2,95 | + 4,4 | —2 | —1 |
| 21 | +0,081 | +26,6 | — 2,42 | + 6,2 | —3 | 0 |
| 31 | +0,356 | +28,2 | — 1,71 | + 8,0 | —3 | 0 |
| Apr. 10 | +0,645 | +29,5 | — 0,83 | + 9,6 | —3 | 0 |
| 20 | +0,946 | +30,4 | + 0,20 | +10,9 | —3 | 0 |
| 30 | +1,253 | +30,9 | + 1,35 | +12,0 | —3 | 0 |
| Maj. 10 | +1,563 | +30,8 | + 2,59 | +12,6 | —3 | +1 |
| 20 | +1,868 | +30,0 | + 3,87 | +12,8 | —3 | +1 |
| 30 | +2,162 | +28,6 | + 5,15 | +12,6 | —3 | +2 |
| Jun. 9 | +2,440 | +26,6 | + 6,39 | +12,0 | —3 | +2 |
| 19 | +2,693 | +23,8 | + 7,55 | +11,1 | —2 | +2 |
| 29 | +2,915 | +20,5 | + 8,60 | + 9,8 | —2 | +3 |
| Jul. 9 | +3,102 | +16,6 | + 9,51 | + 8,3 | —2 | +3 |
| 19 | +3,247 | +12,3 | +10,26 | + 6,7 | —1 | +3 |
| 29 | +3,347 | + 7,7 | +10,84 | + 5,0 | —1 | +4 |
| Aug. 8 | +3,401 | + 3,1 | +11,25 | + 3,4 | 0 | +4 |
| 18 | +3,409 | — 1,4 | +11,51 | + 1,8 | 0 | +4 |
| 28 | +3,373 | — 5,7 | +11,61 | + 0,4 | +1 | +4 |
| Sept. 7 | +3,296 | — 9,4 | +11,59 | — 0,8 | +1 | +4 |
| 17 | +3,185 | —12,5 | +11,46 | — 1,7 | +2 | +4 |
| 27 | +3,047 | —14,7 | +11,25 | — 2,4 | +2 | +4 |
| Oct. 7 | +2,892 | —16,0 | +10,98 | — 3,0 | +2 | +4 |
| 17 | +2,728 | —16,3 | +10,66 | — 3,3 | +2 | +4 |
| 27 | +2,566 | —15,7 | +10,32 | — 3,5 | +3 | +4 |
| Nov. 6 | +2,415 | —14,2 | + 9,97 | — 3,6 | +3 | +4 |
| 16 | +2,283 | —11,9 | + 9,60 | — 3,7 | +2 | +4 |
| 26 | +2,178 | — 8,9 | + 9,23 | — 3,8 | +2 | +4 |
| Dec. 6 | +2,105 | — 5,5 | + 8,85 | — 3,8 | +2 | +4 |
| 16 | +2,068 | — 1,9 | + 8,48 | — 3,7 | +1 | +4 |
| 26 | +2,068 | + 1,9 | + 8,11 | — 3,6 | +1 | +3 |
| 36 | +2,105 | + 5,6 | + 7,76 | — 3,3 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 20 5 16,6339 | —13 14 28,808 |
| 1771 | 5 19,9760 | 14 18,402 |
| 1772 | 5 23,3180 | 14 7,992 |
| 1773 | 5 26,6599 | 13 57,578 |
| 1774 | 5 30,0017 | 13 47,160 |
| 1775 | 5 33,3434 | 13 36,738 |
| 1776 | 5 36,6851 | 13 26,312 |
| 1777 | 5 40,0267 | 13 15,882 |
| 1778 | 5 43,3682 | 13 5,448 |
| 1779 | 5 46,7096 | 12 55,009 |
| 1780 | 5 50,0508 | 12 44,566 |
| 1781 | 5 53,3921 | 12 34,119 |
| 1782 | 5 56,7333 | 12 23,668 |
| 1783 | 6 0,0744 | 12 13,213 |
| 1784 | 6 3,4154 | 12 2,754 |
| 1785 | 6 6,7563 | 11 52,291 |
| 1786 | 6 10,0972 | 11 41,824 |
| 1787 | 6 13,4380 | 11 31,353 |
| 1788 | 6 16,7787 | 11 20,878 |
| 1789 | 6 20,1193 | 11 10,398 |
| 1790 | 6 23,4597 | 10 59,914 |

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Cygni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 20 33 36,619 | +44 28 9,13 | 1780 | Jan. 1 | 20 33 55,489 | +44 30 0,68 |
| | Apr. 10 | 36,632 | 9,63 | | Apr. 10 | 55,495 | 0,36 |
| | Jul. 19 | 36,638 | 10,08 | | Jul. 19 | 55,508 | 0,10 |
| | Oct. 27 | 36,637 | 10,46 | | Oct. 27 | 55,527 | 29 59,90 |
| | Dec. 66 | 36,630 | 10,79 | | Dec. 66 | 55,553 | 59,77 |
| 1771 | Jan. 0 | 20 33 38,673 | +44 28 23,14 | 1781 | Jan. 0 | 20 33 57,584 | +44 30 12,28 |
| | Apr. 10 | 38,661 | 23,43 | | Apr. 10 | 57,613 | 12,19 |
| | Jul. 19 | 38,643 | 23,64 | | Jul. 19 | 57,648 | 12,17 |
| | Oct. 27 | 38,618 | 23,79 | | Oct. 27 | 57,687 | 12,22 |
| | Dec. 66 | 38,586 | 23,86 | | Dec. 66 | 57,732 | 12,33 |
| 1772 | Jan. 1 | 20 33 40,637 | +44 28 36,30 | 1782 | Jan. 0 | 20 33 59,757 | +44 30 24,76 |
| | Apr. 10 | 40,602 | 36,33 | | Apr. 10 | 59,805 | 24,91 |
| | Jul. 19 | 40,561 | 36,29 | | Jul. 19 | 59,857 | 25,13 |
| | Oct. 27 | 40,514 | 36,17 | | Oct. 27 | 59,913 | 25,41 |
| | Dec. 66 | 40,462 | 35,98 | | Dec. 66 | 59,973 | 25,76 |
| 1773 | Jan. 0 | 20 33 42,520 | +44 28 48,51 | 1783 | Jan. 0 | 20 34 1,993 | +44 30 38,11 |
| | Apr. 10 | 42,464 | 48,28 | | Apr. 10 | 2,055 | 38,49 |
| | Jul. 19 | 42,405 | 47,98 | | Jul. 19 | 2,119 | 38,93 |
| | Oct. 27 | 42,342 | 47,62 | | Oct. 27 | 2,185 | 39,41 |
| | Dec. 66 | 42,276 | 47,19 | | Dec. 66 | 2,254 | 39,95 |
| 1774 | Jan. 0 | 20 33 44,339 | +44 28 59,79 | 1784 | Jan. 1 | 20 34 4,271 | +44 30 52,25 |
| | Apr. 10 | 44,270 | 59,32 | | Apr. 10 | 4,340 | 52,82 |
| | Jul. 19 | 44,200 | 58,81 | | Jul. 19 | 4,410 | 53,42 |
| | Oct. 27 | 44,129 | 58,24 | | Oct. 27 | 4,480 | 54,06 |
| | Dec. 66 | 44,056 | 57,62 | | Dec. 66 | 4,550 | 54,74 |
| 1775 | Jan. 0 | 20 33 46,121 | +44 29 10,29 | 1785 | Jan. 0 | 20 34 6,567 | +44 31 6,99 |
| | Apr. 10 | 46,048 | 9,64 | | Apr. 10 | 6,636 | 7,69 |
| | Jul. 19 | 45,975 | 8,97 | | Jul. 19 | 6,704 | 8,40 |
| | Oct. 27 | 45,904 | 8,26 | | Oct. 27 | 6,769 | 9,13 |
| | Dec. 66 | 45,834 | 7,53 | | Dec. 66 | 6,833 | 9,87 |
| 1776 | Jan. 1 | 20 33 47,897 | +44 29 20,24 | 1786 | Jan. 0 | 20 34 8,852 | +44 31 22,10 |
| | Apr. 10 | 47,828 | 19,49 | | Apr. 10 | 8,914 | 22,85 |
| | Jul. 19 | 47,762 | 18,74 | | Jul. 19 | 8,972 | 23,59 |
| | Oct. 27 | 47,699 | 17,99 | | Oct. 27 | 9,027 | 24,33 |
| | Dec. 66 | 47,639 | 17,23 | | Dec. 66 | 9,077 | 25,06 |
| 1777 | Jan. 0 | 20 33 49,698 | +44 29 29,94 | 1787 | Jan. 0 | 20 34 11 101 | +44 31 37,30 |
| | Apr. 10 | 49,641 | 29,19 | | Apr. 10 | 11,149 | 38,02 |
| | Jul. 19 | 49,589 | 28,45 | | Jul. 19 | 11,191 | 38,72 |
| | Oct. 27 | 49,542 | 27,73 | | Oct. 27 | 11,227 | 39,38 |
| | Dec. 66 | 49,499 | 27,03 | | Dec. 66 | 11,258 | 40,01 |
| 1778 | Jan. 0 | 20 33 51,552 | +44 29 39,73 | 1788 | Jan. 1 | 20 34 13,289 | +44 31 52,29 |
| | Apr. 10 | 51,513 | 39,05 | | Apr. 10 | 13,316 | 53,90 |
| | Jul. 19 | 51,481 | 38,40 | | Jul. 19 | 13,337 | 53,46 |
| | Oct. 27 | 51,454 | 37,80 | | Oct. 27 | 13,351 | 53,97 |
| | Dec. 66 | 51,433 | 37,24 | | Dec. 66 | 13,359 | 54,43 |
| 1779 | Jan. 0 | 20 33 53,479 | +44 29 49,89 | 1789 | Jan. 0 | 20 34 15,398 | +44 32 6,77 |
| | Apr. 10 | 53,462 | 49,36 | | Apr. 10 | 15,400 | 7,20 |
| | Jul. 19 | 53,452 | 48,88 | | Jul. 19 | 15,396 | 7,56 |
| | Oct. 27 | 53,448 | 48,46 | | Oct. 27 | 15,387 | 7,86 |
| | Dec. 66 | 53,450 | 48,10 | | Dec. 66 | 15,371 | 8,09 |

## Tabulae X. Sect. II. *α Cygni.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,606 | − 7,2 | + 6,44 | −26,6 | 0 | +2 |
| 10 | −1,655 | − 2,4 | + 3,67 | −28,5 | 0 | +3 |
| 20 | −1,654 | + 2,6 | + 0,74 | −29,6 | −1 | +3 |
| 30 | −1,604 | + 7,6 | − 2,24 | −29,4 | −1 | +3 |
| Febr. 9 | −1,503 | +12,5 | − 5,13 | −28,0 | −2 | +3 |
| 19 | −1,354 | +17,2 | − 7,84 | −25,6 | −2 | +2 |
| Mart. 1 | −1,159 | +21,7 | −10,24 | −22,1 | −2 | +2 |
| 11 | −0,921 | +25,8 | −12,25 | −17,7 | −3 | +2 |
| 21 | −0,644 | +29,4 | −13,77 | −12,6 | −3 | +1 |
| 31 | −0,333 | +32,4 | −14,76 | − 7,0 | −3 | +1 |
| Apr. 10 | +0,004 | +34,7 | −15,17 | − 1,2 | −3 | +1 |
| 20 | +0,360 | +36,1 | −14,99 | + 4,7 | −3 | 0 |
| 30 | +0,726 | +36,7 | −14,23 | +10,4 | −2 | 0 |
| Maj. 10 | +1,094 | +36,5 | −12,92 | +15,6 | −2 | 0 |
| 20 | +1,455 | +35,3 | −11,11 | +20,4 | −2 | −1 |
| 30 | +1,799 | +33,1 | − 8,84 | +24,5 | −1 | −1 |
| Jun. 9 | +2,117 | +30,1 | − 6,21 | +27,8 | −1 | −1 |
| 19 | +2,401 | +26,3 | − 3,29 | +30,3 | −1 | −1 |
| 29 | +2,643 | +21,8 | − 0,15 | +32,1 | 0 | −1 |
| Jul. 9 | +2,837 | +16,8 | + 3,12 | +32,9 | 0 | −1 |
| 19 | +2,978 | +11,3 | + 6,43 | +33,0 | +1 | −1 |
| 29 | +3,063 | + 5,7 | + 9,72 | +32,4 | +1 | −1 |
| Aug. 8 | +3,091 | 0,0 | +12,91 | +31,0 | +1 | −1 |
| 18 | +3,063 | − 5,6 | +15,92 | +29,0 | +2 | 0 |
| 28 | +2,980 | −10,8 | +18,71 | +26,5 | +2 | 0 |
| Sept. 7 | +2,848 | −15,4 | +21,21 | +23,4 | +2 | +0 |
| 17 | +2,672 | −19,4 | +23,38 | +19,8 | +3 | +1 |
| 27 | +2,461 | −22,5 | +25,17 | +15,8 | +3 | +1 |
| Oct. 7 | +2,223 | −24,7 | +26,54 | +11,5 | +3 | +1 |
| 17 | +1,967 | −26,0 | +27,46 | + 6,9 | +3 | +2 |
| 27 | +1,704 | −26,2 | +27,92 | + 2,1 | +3 | +2 |
| Nov. 6 | +1,444 | −25,4 | +27,87 | − 3,0 | +3 | +3 |
| 16 | +1,197 | −23,7 | +27,33 | − 7,9 | +3 | +3 |
| 26 | +0,970 | −21,3 | +26,30 | −12,7 | +2 | +4 |
| Dec. 6 | +0,772 | −18,1 | +24,79 | −17,3 | +2 | +4 |
| 16 | +0,609 | −14,3 | +22,85 | −21,4 | +2 | +4 |
| 26 | +0,487 | −10,1 | +20,52 | −24,8 | +1 | +5 |
| 36 | +0,409 | − 5,4 | +17,90 | −27,5 | +1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 20 33 35,8585 | +44 28 3,180 |
| 1771 | 33 37,8984 | 28 15,630 |
| 1772 | 33 39,9383 | 28 28,083 |
| 1773 | 33 41,9782 | 28 40,538 |
| 1774 | 33 44,0182 | 28 52,995 |
| 1775 | 33 46,0582 | 29 5,454 |
| 1776 | 33 48,0982 | 29 17,915 |
| 1777 | 33 50,1382 | 29 30,379 |
| 1778 | 33 52,1783 | 29 42,845 |
| 1779 | 33 54,2184 | 29 55,313 |
| 1780 | 33 56,2585 | 30 7,784 |
| 1781 | 33 58,2986 | 30 20,257 |
| 1782 | 34 0,3388 | 30 32,732 |
| 1783 | 34 2,3790 | 30 45,209 |
| 1784 | 34 4,4192 | 30 57,689 |
| 1785 | 34 6,4594 | 31 10,171 |
| 1786 | 34 8,4996 | 31 22,655 |
| 1787 | 34 10,5399 | 31 35,142 |
| 1788 | 34 12,5802 | 31 47,631 |
| 1789 | 34 14,6205 | 32 0,122 |
| 1790 | 34 16,6608 | 32 12,615 |

Diei reducto addendum est:

ante / post } Jan. 25 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Aquarii.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 21h 53′ 58″,903 | — 1° 25′ 35″,63 | 1780 | Jan. 1 | 21h 54′ 27″,891 | — 1° 22′ 58″,73 |
| | Apr. 10 | 58,872 | 35,38 | | Apr. 10 | 27,944 | 58,80 |
| | Jul. 19 | 58,833 | 35,19 | | Jul. 19 | 28,004 | 58,80 |
| | Oct. 27 | 58,787 | 35,06 | | Oct. 27 | 28,070 | 58,75 |
| | Dec. 66 | 58,732 | 34,99 | | Dec. 66 | 28,142 | 58,63 |
| 1771 | Jan. 0 | 21 54 1,837 | — 1 25 17,92 | 1781 | Jan. 0 | 21 54 31,203 | — 1 22 41,57 |
| | Apr. 10 | 1,777 | 17,90 | | Apr. 10 | 31,278 | 41,42 |
| | Jul. 19 | 1,711 | 17,94 | | Jul. 19 | 31,357 | 41,21 |
| | Oct. 27 | 1,638 | 18,05 | | Oct. 27 | 31,440 | 40,94 |
| | Dec. 66 | 1,559 | 18,22 | | Dec. 66 | 31,526 | 40,62 |
| 1772 | Jan. 1 | 21 54 4,673 | — 1 25 1,07 | 1782 | Jan. 0 | 21 54 34,583 | — 1 22 23,62 |
| | Apr. 10 | 4,590 | 1,29 | | Apr. 10 | 34,672 | 23,27 |
| | Jul. 19 | 4,504 | 1,56 | | Jul. 19 | 34,763 | 22,87 |
| | Oct. 27 | 4,414 | 1,89 | | Oct. 27 | 34,854 | 22,42 |
| | Dec. 66 | 4,320 | 2,28 | | Dec. 66 | 34,947 | 21,92 |
| 1773 | Jan. 0 | 21 54 7,438 | — 1 24 45,06 | 1783 | Jan. 0 | 21 54 38,002 | — 1 22 4,98 |
| | Apr. 10 | 7,342 | 45,48 | | Apr. 10 | 38,095 | 4,46 |
| | Jul. 19 | 7,246 | 45,95 | | Jul. 19 | 38,187 | 3,91 |
| | Oct. 27 | 7,149 | 46,47 | | Oct. 27 | 38,277 | 3,33 |
| | Dec. 66 | 7,051 | 47,03 | | Dec. 66 | 38,367 | 2,72 |
| 1774 | Jan. 0 | 21 54 10,170 | — 1 24 29,75 | 1784 | Jan. 1 | 21 54 41,422 | — 1 21 45,81 |
| | Apr. 10 | 10,073 | 30,34 | | Apr. 10 | 41,510 | 45,18 |
| | Jul. 19 | 9,978 | 30,95 | | Jul. 19 | 41,594 | 44,54 |
| | Oct. 27 | 9,886 | 31,60 | | Oct. 27 | 41,674 | 43,89 |
| | Dec. 66 | 9,797 | 32,27 | | Dec. 66 | 41,750 | 43,22 |
| 1775 | Jan. 0 | 21 54 12,912 | — 1 24 14,95 | 1785 | Jan. 0 | 21 54 44,810 | — 1 21 26,33 |
| | Apr. 10 | 12,825 | 15,63 | | Apr. 10 | 44,883 | 25,66 |
| | Jul. 19 | 12,744 | 16,31 | | Jul. 19 | 44,950 | 24,99 |
| | Oct. 27 | 12,668 | 17,00 | | Oct. 27 | 45,011 | 24,33 |
| | Dec. 66 | 12,597 | 17,69 | | Dec. 66 | 45,065 | 23,68 |
| 1776 | Jan. 1 | 21 54 15,706 | — 1 24 0,36 | 1786 | Jan. 0 | 21 54 48,133 | — 1 21 6,78 |
| | Apr. 10 | 15,640 | 1,05 | | Apr. 10 | 48,183 | 6,14 |
| | Jul. 19 | 15,581 | 1,72 | | Jul. 19 | 48,225 | 5,52 |
| | Oct. 27 | 15,530 | 2,37 | | Oct. 27 | 48,259 | 4,93 |
| | Dec. 66 | 15,487 | 3,01 | | Dec. 66 | 48,285 | 4,37 |
| 1777 | Jan. 0 | 21 54 18,585 | — 1 23 45,70 | 1787 | Jan. 0 | 21 54 51,363 | — 1 20 47,43 |
| | Apr. 10 | 18,546 | 46,32 | | Apr. 10 | 51,383 | 46,89 |
| | Jul. 19 | 18,516 | 46,90 | | Jul. 19 | 51,396 | 46,39 |
| | Oct. 27 | 18,495 | 47,44 | | Oct. 27 | 51,400 | 45,94 |
| | Dec. 66 | 18,483 | 47,95 | | Dec. 66 | 51,395 | 45,53 |
| 1778 | Jan. 0 | 21 54 21,572 | — 1 23 30,68 | 1788 | Jan. 1 | 21 54 54,483 | — 1 20 28,54 |
| | Apr. 10 | 21,565 | 31,16 | | Apr. 10 | 54,472 | 28,17 |
| | Jul. 19 | 21,567 | 31,58 | | Jul. 19 | 54,452 | 27,85 |
| | Oct. 27 | 21,578 | 31,96 | | Oct. 27 | 54,424 | 27,59 |
| | Dec. 66 | 21,597 | 32,28 | | Dec. 66 | 54,387 | 27,38 |
| 1779 | Jan. 0 | 21 54 24,675 | — 1 23 15,08 | 1789 | Jan. 0 | 21 54 57,485 | — 1 20 10,32 |
| | Apr. 10 | 24,700 | 15,38 | | Apr. 10 | 57,443 | 10,16 |
| | Jul. 19 | 24,733 | 15,61 | | Jul. 19 | 57,393 | 10,06 |
| | Oct. 27 | 24,774 | 15,77 | | Oct. 27 | 57,336 | 10,02 |
| | Dec. 66 | 24,823 | 15,86 | | Dec. 66 | 57,271 | 10,05 |

## Tabulae X. Sect. II. *α Aquarii.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| Jan. 0 | −0″,850 | − 5,1 | − 1″,34 | − 7,7 | +2 | +1 |
| 10 | −0,889 | − 2,6 | − 2,11 | − 7,6 | +2 | +1 |
| 20 | −0,902 | + 0,1 | − 2,85 | − 7,0 | +2 | +1 |
| 30 | −0,887 | + 2,9 | − 3,51 | − 6,1 | +1 | +1 |
| Febr. 9 | −0,845 | + 5,7 | − 4,07 | − 4,8 | 0 | +1 |
| 19 | −0,774 | + 8,7 | − 4,47 | − 3,1 | 0 | 0 |
| Mart. 1 | −0,672 | +11,8 | − 4,68 | − 1,0 | −1 | 0 |
| 11 | −0,539 | +14,9 | − 4,66 | + 1,5 | −1 | 0 |
| 21 | −0,375 | +17,9 | − 4,39 | + 4,0 | −2 | 0 |
| 31 | −0,181 | +20,9 | − 3,86 | + 6,8 | −2 | 0 |
| Apr. 10 | +0,043 | +23,8 | − 3,04 | + 9,5 | −2 | −1 |
| 20 | +0,294 | +26,3 | − 1,97 | +12,0 | −3 | −1 |
| 30 | +0,568 | +28,4 | − 0,64 | +14,4 | −3 | −1 |
| Maj. 10 | +0,861 | +29,9 | + 0,90 | +16,3 | −3 | −1 |
| 20 | +1,166 | +30,8 | + 2,61 | +17,8 | −3 | −1 |
| 30 | +1,477 | +31,0 | + 4,45 | +18,8 | −3 | −1 |
| Jun. 9 | +1,785 | +30,4 | + 6,36 | +19,3 | −3 | −1 |
| 19 | +2,085 | +29,1 | + 8,30 | +19,2 | −3 | 0 |
| 29 | +2,366 | +26,9 | +10,20 | +18,6 | −2 | 0 |
| Jul. 9 | +2,623 | +24,1 | +12,02 | +17,6 | −2 | 0 |
| 19 | +2,848 | +20,7 | +13,72 | +16,2 | −2 | 0 |
| 29 | +3,036 | +16,8 | +15,25 | +14,4 | −1 | +1 |
| Aug. 8 | +3,183 | +12,5 | +16,59 | +12,3 | −1 | +1 |
| 18 | +3,286 | + 8,1 | +17,71 | +10,2 | −1 | +1 |
| 28 | +3,345 | + 3,8 | +18,62 | + 8,0 | 0 | +2 |
| Sept. 7 | +3,361 | − 0,4 | +19,31 | + 5,8 | 0 | +2 |
| 17 | +3,337 | − 4,2 | +19,78 | + 3,7 | +1 | +2 |
| 27 | +3,278 | − 7,4 | +20,05 | + 1,8 | +1 | +3 |
| Oct. 7 | +3,189 | −10,0 | +20,13 | − 0,1 | +2 | +3 |
| 17 | +3,078 | −11,9 | +20,04 | − 1,7 | +2 | +3 |
| 27 | +2,952 | −13,0 | +19,80 | − 3,1 | +2 | +3 |
| Nov. 6 | +2,819 | −13,3 | +19,43 | − 4,3 | +3 | +3 |
| 16 | +2,686 | −12,9 | +18,95 | − 5,3 | +3 | +4 |
| 26 | +2,561 | −12,0 | +18,37 | − 6,2 | +3 | +4 |
| Dec. 6 | +2,446 | −10,6 | +17,71 | − 6,9 | +3 | +4 |
| 16 | +2,349 | − 8,7 | +17,00 | − 7,4 | +2 | +4 |
| 26 | +2,272 | − 6,6 | +16,24 | − 7,7 | +2 | +4 |
| 36 | +2,218 | − 4,2 | +15,47 | − 7,7 | +2 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 21 53 57,9098 | − 1 25 42,423 |
| 1771 | 54 0,9959 | 25 25,340 |
| 1772 | 54 4,0820 | 25 8,255 |
| 1773 | 54 7,1680 | 24 51,167 |
| 1774 | 54 10,2540 | 24 34,077 |
| 1775 | 54 13,3398 | 24 16,985 |
| 1776 | 54 16,4257 | 23 59,890 |
| 1777 | 54 19,5115 | 23 42,793 |
| 1778 | 54 22,5973 | 23 25,693 |
| 1779 | 54 25,6831 | 23 8,592 |
| 1780 | 54 28,7688 | 22 51,488 |
| 1781 | 54 31,8545 | 22 34,382 |
| 1782 | 54 34,9401 | 22 17,274 |
| 1783 | 54 38,0257 | 22 0,164 |
| 1784 | 54 41,1112 | 21 43,051 |
| 1785 | 54 44,1967 | 21 25,936 |
| 1786 | 54 47,2822 | 21 8,819 |
| 1787 | 54 50,3676 | 20 51,699 |
| 1788 | 54 53,4530 | 20 34,577 |
| 1789 | 54 56,5383 | 20 17,453 |
| 1790 | 54 59,6235 | 20 0,326 |

Diei reducto addendum est:

ante / post } Febr. 14 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. α *Piscis austrini.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 22h 44′ 54″,753 | —30° 50′ 1″,73 | 1780 | Jan. 1 | 22h 45′ 26″,502 | —30° 47′ 7″,81 |
| | Apr. 10 | 54,691 | 1,66 | | Apr. 10 | 26,584 | 7,71 |
| | Jul. 19 | 54,622 | 1,65 | | Jul. 19 | 26,671 | 7,55 |
| | Oct. 27 | 54,545 | 1,69 | | Oct. 27 | 26,763 | 7,34 |
| | Dec. 66 | 54,461 | 1,80 | | Dec. 66 | 26,860 | 7,08 |
| 1771 | Jan. 0 | 22 44 57,842 | —30 49 42,99 | 1781 | Jan. 0 | 22 45 30,177 | —30 46 48,39 |
| | Apr. 10 | 57,753 | 43,14 | | Apr. 10 | 30,276 | 48,09 |
| | Jul. 19 | 57,660 | 43,35 | | Jul. 19 | 30,377 | 47,75 |
| | Oct. 27 | 57,562 | 43,61 | | Oct. 27 | 30,480 | 47,36 |
| | Dec. 66 | 57,459 | 43,93 | | Dec. 66 | 30,584 | 46,92 |
| 1772 | Jan. 1 | 22 45 0,845 | —30 49 25,05 | 1782 | Jan. 0 | 22 45 33,899 | —30 46 28,29 |
| | Apr. 10 | 0,740 | 25,41 | | Apr. 10 | 34,004 | 27,83 |
| | Jul. 19 | 0,633 | 25,81 | | Jul. 19 | 34,108 | 27,34 |
| | Oct. 27 | 0,325 | 26,26 | | Oct. 27 | 34,211 | 26,81 |
| | Dec. 66 | 0,415 | 26,76 | | Dec. 66 | 34,312 | 26,25 |
| 1773 | Jan. 0 | 22 45 3,803 | —30 49 7,82 | 1783 | Jan. 0 | 22 45 37,628 | —30 46 7,66 |
| | Apr. 10 | 3,693 | 8,34 | | Apr. 10 | 37,728 | 7,09 |
| | Jul. 19 | 3,586 | 8,89 | | Jul. 19 | 37,824 | 6,50 |
| | Oct. 27 | 3,480 | 9,48 | | Oct. 27 | 37,916 | 5,89 |
| | Dec. 66 | 3,377 | 10,09 | | Dec. 66 | 38,004 | 5,27 |
| 1774 | Jan. 0 | 22 45 6,762 | —30 48 51,12 | 1784 | Jan. 1 | 22 45 41,324 | —30 45 46,69 |
| | Apr. 10 | 6,661 | 51,74 | | Apr. 10 | 41,409 | 46,07 |
| | Jul. 19 | 6,566 | 52,38 | | Jul. 19 | 41,487 | 45,44 |
| | Oct. 27 | 6,476 | 53,03 | | Oct. 27 | 41,558 | 44,82 |
| | Dec. 66 | 6,391 | 53,69 | | Dec. 66 | 41,623 | 44,20 |
| 1775 | Jan. 0 | 22 45 9,770 | —30 48 34,70 | 1785 | Jan. 0 | 22 45 44,951 | —30 45 25,62 |
| | Apr. 10 | 9,690 | 35,35 | | Apr. 10 | 45,011 | 25,01 |
| | Jul. 19 | 9,618 | 36,00 | | Jul. 19 | 45,062 | 24,42 |
| | Oct. 27 | 9,554 | 36,63 | | Oct. 27 | 45,105 | 23,84 |
| | Dec. 66 | 9,499 | 37,25 | | Dec. 66 | 45,140 | 23,29 |
| 1776 | Jan. 1 | 22 45 12,867 | —30 48 18,28 | 1786 | Jan. 0 | 22 45 48,478 | —30 45 4,69 |
| | Apr. 10 | 12,817 | 18,88 | | Apr. 10 | 48,507 | 4,16 |
| | Jul. 19 | 12,777 | 19,46 | | Jul. 19 | 48,526 | 3,66 |
| | Oct. 27 | 12,747 | 20,00 | | Oct. 27 | 48,535 | 3,20 |
| | Dec. 66 | 12,727 | 20,52 | | Dec. 66 | 48,535 | 2,78 |
| 1777 | Jan. 0 | 22 45 16,083 | —30 48 1,58 | 1787 | Jan. 0 | 22 45 51,885 | —30 44 44,13 |
| | Apr. 10 | 16,069 | 2,07 | | Apr. 10 | 51,878 | 43,74 |
| | Jul. 19 | 16,065 | 2,51 | | Jul. 19 | 51,862 | 43,40 |
| | Oct. 27 | 16,072 | 2,90 | | Oct. 27 | 51,836 | 43,11 |
| | Dec. 66 | 16,088 | 3,25 | | Dec. 66 | 51,801 | 42,87 |
| 1778 | Jan. 0 | 22 45 19,432 | —30 47 44,37 | 1788 | Jan. 1 | 22 45 55,162 | —30 44 24,15 |
| | Apr. 10 | 19,454 | 44,68 | | Apr. 10 | 55,120 | 23,95 |
| | Jul. 19 | 19,486 | 44,94 | | Jul. 19 | 55,070 | 23,81 |
| | Oct. 27 | 19,527 | 45,14 | | Oct. 27 | 55,011 | 23,72 |
| | Dec. 66 | 19,578 | 45,29 | | Dec. 66 | 54,943 | 23,70 |
| 1779 | Jan. 0 | 22 45 22,910 | —30 47 26,47 | 1789 | Jan. 0 | 22 45 58,314 | —30 44 4,91 |
| | Apr. 10 | 22,966 | 26,58 | | Apr. 10 | 58,241 | 4,92 |
| | Jul. 19 | 23,030 | 26,63 | | Jul. 19 | 58,162 | 5,00 |
| | Oct. 27 | 23,101 | 26,63 | | Oct. 27 | 58,076 | 5,13 |
| | Dec. 66 | 23,179 | 26,56 | | Dec. 66 | 57,983 | 5,33 |

## Tabulae X. Sect. II. *a Piscis austrini.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,724 | — 9,9 | —10,00 | + 2,9 | +4 | 0 |
| 10 | —0,812 | — 7,6 | — 9,57 | + 5,7 | +4 | 0 |
| 20 | —0,875 | — 5,0 | — 8,87 | + 8,3 | +3 | —1 |
| 30 | —0,911 | — 2,1 | — 7,91 | +10,8 | +3 | —1 |
| Febr. 9 | —0,917 | + 1,0 | — 6,71 | +13,2 | +2 | —2 |
| 19 | —0,892 | + 4,2 | — 5,28 | +15,3 | +1 | —2 |
| Mart. 1 | —0,833 | + 7,7 | — 3,65 | +17,3 | +1 | —2 |
| 11 | —0,738 | +11,3 | — 1,83 | +19,0 | 0 | —2 |
| 21 | —0,607 | +15,0 | + 0,14 | +20,4 | —1 | —3 |
| 31 | —0,438 | +18,8 | + 2,24 | +21,5 | —2 | —3 |
| Apr. 10 | —0,231 | +22,5 | + 4,44 | +22,2 | —2 | —3 |
| 20 | +0,012 | +26,0 | + 6,68 | +22,5 | —3 | —2 |
| 30 | +0,288 | +29,1 | + 8,93 | +22,3 | —3 | —2 |
| Maj. 10 | +0,593 | +31,7 | +11,13 | +21,6 | —4 | —2 |
| 20 | +0,922 | +33,7 | +13,25 | +20,5 | —4 | —2 |
| 30 | +1,267 | +34,9 | +15,22 | +18,7 | —4 | —1 |
| Jun. 9 | +1,620 | +35,4 | +16,99 | +16,5 | —5 | —1 |
| 19 | +1,974 | +34,9 | +18,52 | +13,9 | —5 | 0 |
| 29 | +2,317 | +33,5 | +19,77 | +11,0 | —5 | 0 |
| Jul. 9 | +2,643 | +31,2 | +20,71 | + 7,7 | —5 | +1 |
| 19 | +2,941 | +28,1 | +21,31 | + 4,3 | —4 | +1 |
| 29 | +3,205 | +24,3 | +21,56 | + 0,8 | —4 | +2 |
| Aug. 8 | +3,427 | +19,9 | +21,47 | — 2,6 | —4 | +3 |
| 18 | +3,602 | +15,1 | +21,05 | — 5,7 | —3 | +3 |
| 28 | +3,729 | +10,2 | +20,33 | — 8,5 | —3 | +3 |
| Sept. 7 | +3,805 | + 5,2 | +19,36 | —10,8 | —2 | +4 |
| 17 | +3,832 | + 0,4 | +18,18 | —12,5 | —2 | +4 |
| 27 | +3,813 | — 4,0 | +16,86 | —13,6 | —1 | +4 |
| Oct. 7 | +3,753 | — 7,7 | +15,46 | —14,0 | 0 | +4 |
| 17 | +3,660 | —10,7 | +14,06 | —13,8 | 0 | +4 |
| 27 | +3,539 | —13,0 | +12,71 | —12,9 | +1 | +4 |
| Nov. 6 | +3,400 | —14,5 | +11,48 | —11,4 | +1 | +4 |
| 16 | +3,250 | —15,1 | +10,43 | — 9,5 | +2 | +4 |
| 26 | +3,098 | —15,0 | + 9,59 | — 7,2 | +2 | +3 |
| Dec. 6 | +2,950 | —14,3 | + 9,00 | — 4,5 | +2 | +3 |
| 16 | +2,813 | —12,9 | + 8,69 | — 1,7 | +2 | +2 |
| 26 | +2,692 | —11,2 | + 8,66 | + 1,1 | +2 | +2 |
| 36 | +2,590 | — 9,1 | + 8,91 | + 3,9 | +2 | +1 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 22 44 53,7731 | —30 50 8,639 |
| 1771 | 44 57,1251 | 49 49,877 |
| 1772 | 45 0,4769 | 49 31,113 |
| 1773 | 45 3,8285 | 49 12,347 |
| 1774 | 45 7,1799 | 48 53,580 |
| 1775 | 45 10,5310 | 48 34,811 |
| 1776 | 45 13,8819 | 48 16,041 |
| 1777 | 45 17,2326 | 47 57,270 |
| 1778 | 45 20,5831 | 47 38,497 |
| 1779 | 45 23,9334 | 47 19,722 |
| 1780 | 45 27,2835 | 47 0,946 |
| 1781 | 45 30,6334 | 46 42,168 |
| 1782 | 45 33,9830 | 46 23,389 |
| 1783 | 45 37,3324 | 46 4,608 |
| 1784 | 45 40,6816 | 45 45,826 |
| 1785 | 45 44,0306 | 45 27,043 |
| 1786 | 45 47,3794 | 45 8,258 |
| 1787 | 45 50,7280 | 44 49,472 |
| 1788 | 45 54,0763 | 44 30,684 |
| 1789 | 45 57,4244 | 44 11,894 |
| 1790 | 46 0,7723 | 43 53,103 |

Diei reducto addendum est:

ante } Febr. 27 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Pegasi.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 22 53 20,088 | +13 58 24,47 | 1780 | Jan. 1 | 22 53 47,950 | + 14 1 22,87 |
| | Apr. 10 | 20,072 | 24,51 | | Apr. 10 | 47,989 | 23,00 |
| | Jul. 19 | 20,048 | 24,50 | | Jul. 19 | 48,035 | 23,18 |
| | Oct. 27 | 20,015 | 24,42 | | Oct. 27 | 48,089 | 23,41 |
| | Dec. 66 | 19,974 | 24,29 | | Dec. 66 | 48,149 | 23,70 |
| 1771 | Jan. 0 | 22 53 22,967 | +13 58 43,54 | 1781 | Jan. 0 | 22 53 51,107 | + 14 1 42,82 |
| | Apr. 10 | 22,921 | 43,36 | | Apr. 10 | 51,171 | 43,14 |
| | Jul. 19 | 22,868 | 43,13 | | Jul. 19 | 51,240 | 43,50 |
| | Oct. 27 | 22,808 | 42,84 | | Oct. 27 | 51,314 | 43,91 |
| | Dec. 66 | 22,740 | 42,50 | | Dec. 66 | 51,392 | 44,36 |
| 1772 | Jan. 1 | 22 53 25,741 | +13 59 1,83 | 1782 | Jan. 0 | 22 53 54,344 | + 14 2 3,42 |
| | Apr. 10 | 25,669 | 1,45 | | Apr. 10 | 54,425 | 3,90 |
| | Jul. 19 | 25,593 | 1,03 | | Jul. 19 | 54,509 | 4,41 |
| | Oct. 27 | 25,512 | 0,56 | | Oct. 27 | 54,596 | 4,94 |
| | Dec. 66 | 25,426 | 0,05 | | Dec. 66 | 54,685 | 5,51 |
| 1773 | Jan. 0 | 22 53 28,433 | +13 59 19,43 | 1783 | Jan. 0 | 22 53 57,634 | + 14 2 24,53 |
| | Apr. 10 | 28,344 | 18,89 | | Apr. 10 | 57,723 | 25,11 |
| | Jul. 19 | 28,254 | 18,33 | | Jul. 19 | 57,813 | 25,71 |
| | Oct. 27 | 28,161 | 17,74 | | Oct. 27 | 57,903 | 26,32 |
| | Dec. 66 | 28,066 | 17,12 | | Dec. 66 | 57,993 | 26,94 |
| 1774 | Jan. 0 | 22 53 31,076 | +13 59 36,53 | 1784 | Jan. 1 | 22 54 0,942 | + 14 2 45,94 |
| | Apr. 10 | 30,981 | 35,90 | | Apr. 10 | 1,031 | 46,57 |
| | Jul. 19 | 30,887 | 35,26 | | Jul. 19 | 1,118 | 47,19 |
| | Oct. 27 | 30,794 | 34,61 | | Oct. 27 | 1,202 | 47,80 |
| | Dec. 66 | 30,702 | 33,95 | | Dec. 66 | 1,283 | 48,41 |
| 1775 | Jan. 0 | 22 53 33,711 | +13 59 53,39 | 1785 | Jan. 0 | 22 54 4,235 | + 14 3 7,43 |
| | Apr. 10 | 33,621 | 52,74 | | Apr. 10 | 4,314 | 8,03 |
| | Jul. 19 | 33,535 | 52,10 | | Jul. 19 | 4,388 | 8,61 |
| | Oct. 27 | 33,453 | 51,48 | | Oct. 27 | 4,457 | 9,16 |
| | Dec. 66 | 33,375 | 50,87 | | Dec. 66 | 4,522 | 9,69 |
| 1776 | Jan. 1 | 22 53 36,379 | +14 0 10,28 | 1786 | Jan. 0 | 22 54 7,480 | + 14 3 28,74 |
| | Apr. 10 | 36,305 | 9,69 | | Apr. 10 | 7,540 | 29,25 |
| | Jul. 19 | 36,237 | 9,13 | | Jul. 19 | 7,593 | 29,72 |
| | Oct. 27 | 36,175 | 8,61 | | Oct. 27 | 7,639 | 30,16 |
| | Dec. 66 | 36,120 | 8,12 | | Dec. 66 | 7,678 | 30,55 |
| 1777 | Jan. 0 | 22 53 39,116 | +14 0 27,49 | 1787 | Jan. 0 | 22 54 10,645 | + 14 3 49,65 |
| | Apr. 10 | 39,066 | 27,03 | | Apr. 10 | 10,679 | 50,02 |
| | Jul. 19 | 39,024 | 26,61 | | Jul. 19 | 10,705 | 50,33 |
| | Oct. 27 | 38,990 | 26,24 | | Oct. 27 | 10,723 | 50,59 |
| | Dec. 66 | 38,963 | 25,92 | | Dec. 66 | 10,732 | 50,80 |
| 1778 | Jan. 0 | 22 53 41,950 | +14 0 45,23 | 1788 | Jan. 1 | 22 54 13,709 | + 14 4 9,95 |
| | Apr. 10 | 41,929 | 44,94 | | Apr. 10 | 13,713 | 10,13 |
| | Jul. 19 | 41,917 | 44,71 | | Jul. 19 | 13,708 | 10,24 |
| | Oct. 27 | 41,913 | 44,54 | | Oct. 27 | 13,694 | 10,29 |
| | Dec. 66 | 41,918 | 44,42 | | Dec. 66 | 13,672 | 10,29 |
| 1779 | Jan. 0 | 22 53 44,894 | +14 1 3,67 | 1789 | Jan. 0 | 22 54 16,660 | + 14 4 29,52 |
| | Apr. 10 | 44,904 | 3,59 | | Apr. 10 | 16,632 | 29,48 |
| | Jul. 19 | 44,923 | 3,56 | | Jul. 19 | 16,596 | 29,38 |
| | Oct. 27 | 44,949 | 3,60 | | Oct. 27 | 16,552 | 29,21 |
| | Dec. 66 | 44,983 | 3,69 | | Dec. 66 | 16,501 | 28,99 |

## Tabulae X. Sect. II. *α Pegasi.*

| | 1780 | | 1780 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,569 | − 9,4 | + 3,36 | −10,6 | +3 | +2 | 1770 | 22 53 19,0881 | +13 58 17,576 |
| 10 | −0,656 | − 8,3 | + 2,23 | −11,8 | +2 | +2 | 1771 | 53 22,0664 | 58 36,777 |
| 20 | −0,725 | − 5,9 | + 1,01 | −12,4 | +2 | +2 | 1772 | 53 25,0447 | 58 55,979 |
| 30 | −0,773 | − 3,6 | − 0,25 | −12,6 | +2 | +2 | 1773 | 53 28,0231 | 59 15,184 |
| Febr. 9 | −0,796 | − 0,9 | − 1,50 | −12,2 | +1 | +2 | 1774 | 53 31,0016 | 59 34,387 |
| | | | | | | | 1775 | 53 33,9801 | 59 53,593 |
| 19 | −0,791 | + 2,1 | − 2,68 | −11,1 | +1 | +2 | 1776 | 53 36,9587 | 14 0 12,800 |
| Mart. 1 | −0,755 | + 5,4 | − 3,71 | − 9,4 | 0 | +2 | 1777 | 53 39,9373 | 0 32,008 |
| 11 | −0,684 | + 8,9 | − 4,55 | − 7,1 | −1 | +1 | 1778 | 53 42,9160 | 0 51,217 |
| 21 | −0,578 | +12,5 | − 5,13 | − 4,4 | −1 | +1 | 1779 | 53 45,8946 | 1 10,427 |
| 31 | −0,434 | +16,3 | − 5,42 | − 1,3 | −1 | +1 | 1780 | 53 48,8734 | 1 29,638 |
| | | | | | | | 1781 | 53 51,8522 | 1 48,851 |
| Apr. 10 | −0,253 | +19,9 | − 5,38 | + 2,2 | −2 | 0 | 1782 | 53 54,8311 | 2 8,065 |
| 20 | −0,037 | +23,2 | − 4,98 | + 5,7 | −2 | 0 | 1783 | 53 57,8100 | 2 27,280 |
| 30 | +0,211 | +26,2 | − 4,24 | + 9,2 | −2 | 0 | 1784 | 54 0,7891 | 2 46,496 |
| Maj. 10 | +0,487 | +28,7 | − 3,15 | +12,5 | −3 | −1 | 1785 | 54 3,7681 | 3 5,713 |
| 20 | +0,785 | +30,5 | − 1,74 | +15,5 | −3 | −1 | 1786 | 54 6,7472 | 3 24,931 |
| | | | | | | | 1787 | 54 9,7263 | 3 44,151 |
| 30 | +1,097 | +31,6 | − 0,05 | +18,1 | −3 | −1 | 1788 | 54 12,7055 | 4 3,372 |
| Jun. 9 | +1,416 | +31,8 | + 1,87 | +20,2 | −3 | −1 | 1789 | 54 15,6848 | 4 22,594 |
| 19 | +1,733 | +31,2 | + 3,98 | +21,7 | −2 | −2 | 1790 | 54 18,6641 | 4 41,817 |
| 29 | +2,040 | +29,8 | + 6,21 | +22,6 | −2 | −2 | | | |
| Jul. 9 | +2,329 | +27,6 | + 8,50 | +23,0 | −2 | −2 | | | |
| 19 | +2,592 | +24,8 | +10,80 | +22,8 | −2 | −1 | | | |
| 29 | +2,824 | +21,3 | +13,06 | +22,1 | −1 | −1 | | | |
| Aug. 8 | +3,018 | +17,4 | +15,22 | +20,9 | −1 | −1 | | | |
| 18 | +3,172 | +13,3 | +17,24 | +19,3 | 0 | −1 | | | |
| 28 | +3,284 | + 9,1 | +19,08 | +17,5 | 0 | −1 | | | |
| Sept. 7 | +3,354 | + 5,0 | +20,73 | +15,4 | +1 | 0 | | | |
| 17 | +3,383 | + 1,0 | +22,15 | +13,0 | +1 | 0 | | | |
| 27 | +3,374 | − 2,6 | +23,33 | +10,6 | +2 | 0 | | | |
| Oct. 7 | +3,332 | − 5,6 | +24,27 | + 8,2 | +2 | +1 | | | |
| 17 | +3,262 | − 8,1 | +24,96 | + 5,7 | +3 | +1 | | | |
| 27 | +3,170 | −10,0 | +25,41 | + 3,3 | +3 | +2 | | | |
| Nov. 6 | +3,062 | −11,4 | +25,61 | + 0,8 | +3 | +2 | | | |
| 16 | +2,943 | −12,1 | +25,57 | − 1,6 | +3 | +2 | | | |
| 26 | +2,820 | −12,3 | +25,29 | − 3,9 | +4 | +3 | | | |
| Dec. 6 | +2,698 | −12,0 | +24,80 | − 6,0 | +4 | +3 | | | |
| 16 | +2,580 | −11,4 | +24,10 | − 8,0 | +4 | +3 | | | |
| 26 | +2,471 | −10,3 | +23,21 | − 9,7 | +3 | +3 | | | |
| 36 | +2,375 | − 8,9 | +22,16 | −11,1 | +3 | +3 | | | |

Diei reducto addendum est:

ante } Mart. 2 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Andromedae.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1770 | Jan. 0 | 23 56 33,582 | +27 49 17,72 |
| | Apr. 10 | 33,580 | 17,54 |
| | Jul. 19 | 33,570 | 17,80 |
| | Oct. 27 | 33,550 | 17,02 |
| | Dec. 66 | 33,521 | 16,68 |
| 1771 | Jan. 0 | 23 56 36,600 | +27 49 36,71 |
| | Apr. 10 | 36,565 | 36,34 |
| | Jul. 19 | 36,522 | 35,92 |
| | Oct. 27 | 36,470 | 35,46 |
| | Dec. 66 | 36,410 | 34,96 |
| 1772 | Jan. 1 | 23 56 39,499 | +27 49 55,04 |
| | Apr. 10 | 39,434 | 54,52 |
| | Jul. 19 | 39,363 | 53,97 |
| | Oct. 27 | 39,285 | 53,39 |
| | Dec. 66 | 39,201 | 52,79 |
| 1773 | Jan. 0 | 23 56 42,298 | +27 50 12,90 |
| | Apr. 10 | 42,210 | 12,29 |
| | Jul. 19 | 42,119 | 11,67 |
| | Oct. 27 | 42,024 | 11,04 |
| | Dec. 66 | 41,926 | 10,41 |
| 1774 | Jan. 0 | 23 56 45,028 | +27 50 30,53 |
| | Apr. 10 | 44,928 | 29,90 |
| | Jul. 19 | 44,828 | 29,28 |
| | Oct. 27 | 44,728 | 28,68 |
| | Dec. 66 | 44,627 | 28,09 |
| 1775 | Jan. 0 | 23 56 47,730 | +27 50 48,19 |
| | Apr. 10 | 47,630 | 47,62 |
| | Jul. 19 | 47,533 | 47,08 |
| | Oct. 27 | 47,439 | 46,58 |
| | Dec. 66 | 47,348 | 46,11 |
| 1776 | Jan. 1 | 23 56 50,447 | +27 51 6,17 |
| | Apr. 10 | 50,359 | 5,73 |
| | Jul. 19 | 50,277 | 5,33 |
| | Oct. 27 | 50,200 | 4,98 |
| | Dec. 66 | 50,130 | 4,68 |
| 1777 | Jan. 0 | 23 56 53,222 | +27 51 24,68 |
| | Apr. 10 | 53,156 | 24,41 |
| | Jul. 19 | 53,098 | 24,20 |
| | Oct. 27 | 53,048 | 24,05 |
| | Dec. 66 | 53,005 | 23,95 |
| 1778 | Jan. 0 | 23 56 56,087 | +27 51 43,88 |
| | Apr. 10 | 56,050 | 43,82 |
| | Jul. 19 | 56,022 | 43,81 |
| | Oct. 27 | 56,002 | 43,86 |
| | Dec. 66 | 55,991 | 43,97 |
| 1779 | Jan. 0 | 23 56 59,064 | +27 52 3,84 |
| | Apr. 10 | 59,060 | 3,98 |
| | Jul. 19 | 59,064 | 4,18 |
| | Oct. 27 | 59,077 | 4,43 |
| | Dec. 66 | 59,099 | 4,73 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1780 | Jan. 1 | 23 57 2,160 | +27 52 24,53 |
| | Apr. 10 | 2,188 | 24,86 |
| | Jul. 19 | 2,224 | 25,23 |
| | Oct. 27 | 2,268 | 25,64 |
| | Dec. 66 | 2,319 | 26,10 |
| 1781 | Jan. 0 | 23 57 5,371 | +27 52 45,85 |
| | Apr. 10 | 5,427 | 46,33 |
| | Jul. 19 | 5,490 | 46,83 |
| | Oct. 27 | 5,559 | 47,36 |
| | Dec. 66 | 5,634 | 47,92 |
| 1782 | Jan. 0 | 23 57 8,679 | +27 53 7,64 |
| | Apr. 10 | 8,757 | 8,21 |
| | Jul. 19 | 8,840 | 8,79 |
| | Oct. 27 | 8,927 | 9,38 |
| | Dec. 66 | 9,018 | 9,98 |
| 1783 | Jan. 0 | 23 57 12,057 | +27 53 29,69 |
| | Apr. 10 | 12,150 | 30,29 |
| | Jul. 19 | 12,244 | 30,89 |
| | Oct. 27 | 12,339 | 31,48 |
| | Dec. 66 | 12,436 | 32,06 |
| 1784 | Jan. 1 | 23 57 15,474 | +27 53 51,78 |
| | Apr. 10 | 15,570 | 52,35 |
| | Jul. 19 | 15,665 | 52,90 |
| | Oct. 27 | 15,759 | 53,43 |
| | Dec. 66 | 15,853 | 53,93 |
| 1785 | Jan. 0 | 23 57 18,893 | +27 54 13,67 |
| | Apr. 10 | 18,984 | 14,15 |
| | Jul. 19 | 19,070 | 14,60 |
| | Oct. 27 | 19,153 | 15,00 |
| | Dec. 66 | 19,231 | 15,37 |
| 1786 | Jan. 0 | 23 57 22,276 | +27 54 35,16 |
| | Apr. 10 | 22,351 | 35,49 |
| | Jul. 19 | 22,419 | 35,78 |
| | Oct. 27 | 22,481 | 36,02 |
| | Dec. 66 | 22,536 | 36,21 |
| 1787 | Jan. 0 | 23 57 25,590 | +27 54 56,06 |
| | Apr. 10 | 25,640 | 56,21 |
| | Jul. 19 | 25,682 | 56,31 |
| | Oct. 27 | 25,716 | 56,35 |
| | Dec. 66 | 25,741 | 56,33 |
| 1788 | Jan. 1 | 23 57 28,804 | +27 55 16,25 |
| | Apr. 10 | 28,824 | 16,19 |
| | Jul. 19 | 28,834 | 16,08 |
| | Oct. 27 | 28,835 | 15,91 |
| | Dec. 66 | 28,827 | 15,69 |
| 1789 | Jan. 0 | 23 57 31,902 | +27 55 35,68 |
| | Apr. 10 | 31,887 | 35,42 |
| | Jul. 19 | 31,864 | 35,11 |
| | Oct. 27 | 31,832 | 34,75 |
| | Dec. 66 | 31,791 | 34,34 |

## Tabulae X. Sect. II. α *Andromedae.*

| | 1780 | | 1780 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,219 | —13,5 | + 8,23 | — 8,4 | +3 | +2 |
| 10 | —0,353 | —13,0 | + 7,26 | —11,0 | +3 | +2 |
| 20 | —0,479 | —12,0 | + 6,04 | —13,2 | +3 | +3 |
| 30 | —0,592 | —10,3 | + 4,63 | —14,8 | +2 | +3 |
| Febr. 9 | —0,685 | — 8,1 | + 3,08 | —15,9 | +2 | +3 |
| 19 | —0,754 | — 5,3 | + 1,46 | —16,1 | +1 | +3 |
| Mart. 1 | —0,791 | — 1,9 | — 0,14 | —15,6 | +1 | +3 |
| 11 | —0,792 | + 2,0 | — 1,66 | —14,5 | 0 | +3 |
| 21 | —0,751 | + 6,3 | — 3,03 | —12,5 | 0 | +2 |
| 31 | —0,666 | +10,8 | — 4,16 | — 9,8 | —1 | +2 |
| Apr. 10 | —0,535 | +15,4 | — 4,99 | — 6,7 | —1 | +2 |
| 20 | —0,359 | +19,8 | — 5,49 | — 3,2 | —2 | +1 |
| 30 | —0,139 | +23,9 | — 5,62 | + 0,7 | —2 | +1 |
| Maj. 10 | +0,119 | +27,5 | — 5,35 | + 4,7 | —2 | 0 |
| 20 | +0,410 | +30,4 | — 4,69 | + 8,5 | —3 | 0 |
| 30 | +0,727 | +32,6 | — 3,65 | +12,2 | —3 | —1 |
| Jun. 9 | +1,061 | +33,9 | — 2,25 | +15,6 | —3 | —1 |
| 19 | +1,404 | +34,3 | — 0,53 | +18,5 | —2 | —2 |
| 29 | +1,746 | +33,7 | + 1,45 | +20,9 | —2 | —2 |
| Jul. 9 | +2,078 | +32,3 | + 3,65 | +22,9 | —2 | —2 |
| 19 | +2,392 | +30,2 | + 6,02 | +24,2 | —2 | —3 |
| 29 | +2,681 | +27,3 | + 8,48 | +24,9 | —1 | —3 |
| Aug. 8 | +2,937 | +23,8 | +10,99 | +25,1 | —1 | —3 |
| 18 | +3,157 | +22,0 | +13,49 | +24,7 | 0 | —3 |
| 28 | +3,337 | +16,0 | +15,93 | +23,9 | 0 | —3 |
| Sept. 7 | +3,476 | +11,9 | +18,26 | +22,6 | +1 | —3 |
| 17 | +3,574 | + 7,8 | +20,45 | +21,0 | +2 | —2 |
| 27 | +3,631 | + 3,9 | +22,45 | +19,0 | +2 | —2 |
| Oct. 7 | +3,651 | + 0,4 | +24,24 | +16,7 | +3 | —2 |
| 17 | +3,638 | — 2,9 | +25,79 | +14,2 | +3 | —1 |
| 27 | +3,593 | — 5,8 | +27,08 | +11,6 | +4 | —1 |
| Nov. 6 | +3,523 | — 8,1 | +28,10 | + 8,7 | +4 | 0 |
| 16 | +3,432 | —10,0 | +28,81 | + 5,7 | +5 | 0 |
| 26 | +3,323 | —11,5 | +29,23 | + 2,7 | +5 | +1 |
| Dec. 6 | +3,202 | —12,6 | +29,34 | — 0,5 | +5 | +1 |
| 16 | +3,071 | —13,4 | +29,13 | — 3,7 | +5 | +1 |
| 26 | +2,935 | —13,6 | +28,61 | — 6,7 | +5 | +2 |
| 36 | +2,800 | —13,4 | +27,80 | — 9,4 | +5 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1770 | 23 56 32,5070 | +27 49 11,228 |
| 1771 | 56 35,5751 | 49 31,136 |
| 1772 | 56 38,6434 | 49 51,044 |
| 1773 | 56 41,7119 | 50 10,952 |
| 1774 | 56 44,7805 | 50 30,860 |
| 1775 | 56 47,8493 | 50 50,768 |
| 1776 | 56 50,9183 | 51 10,676 |
| 1777 | 56 53,9875 | 51 30,584 |
| 1778 | 56 57,0568 | 51 50,492 |
| 1779 | 57 0,1262 | 52 10,400 |
| 1780 | 57 3,1959 | 52 30,308 |
| 1781 | 57 6,2658 | 52 50,216 |
| 1782 | 57 9,3358 | 53 10,124 |
| 1783 | 57 12,4060 | 53 30,031 |
| 1784 | 57 15,4764 | 53 49,939 |
| 1785 | 57 18,5470 | 54 9,847 |
| 1786 | 57 21,6178 | 54 29,755 |
| 1787 | 57 24,6887 | 54 49,662 |
| 1788 | 57 27,7598 | 55 9,570 |
| 1789 | 57 30,8310 | 55 29,478 |
| 1790 | 57 33,9025 | 55 49,385 |

Diei reducto addendum est:

ante } Mart. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. II. *α Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1770 | Jan. 0 | 0 46 32,82 | + 1,45 | 88 4 42,17 | − 0,35 | 480 | 861 |
| | Apr. 10 | 34,27 | + 1,36 | 41,82 | − 0,39 | | |
| | Jul. 19 | 35,63 | + 1,27 | 41,43 | − 0,44 | | |
| | Oct. 27 | 36,90 | + 1,17 | 40,99 | − 0,48 | | |
| | Dec. 66 | 38,07 | | 40,51 | | | |
| 1771 | Jan. 0 | 0 46 48,87 | + 1,10 | 88 5 0,33 | − 0,52 | 426 | 229 |
| | Apr. 10 | 49,97 | + 0,97 | 4 59,81 | − 0,54 | | |
| | Jul. 19 | 50,94 | + 0,84 | 59,27 | − 0,57 | | |
| | Oct. 27 | 51,78 | + 0,71 | 58,70 | − 0,59 | | |
| | Dec. 66 | 52,49 | | 58,11 | | | |
| 1772 | Jan. 1 | 0 47 3,51 | + 0,61 | 88 5 17,97 | − 0,62 | 373 | 597 |
| | Apr. 10 | 4,12 | + 0,45 | 17,35 | − 0,62 | | |
| | Jul. 19 | 4,57 | + 0,31 | 16,73 | − 0,64 | | |
| | Oct. 27 | 4,88 | + 0,15 | 16,59 | − 0,64 | | |
| | Dec. 66 | 5,03 | | 16,45 | | | |
| 1773 | Jan. 0 | 0 47 16,29 | + 0,05 | 88 5 35,32 | − 0,65 | 319 | 966 |
| | Apr. 10 | 16,34 | − 0,12 | 34,67 | − 0,63 | | |
| | Jul. 19 | 16,22 | − 0,27 | 34,04 | − 0,63 | | |
| | Oct. 27 | 15,95 | − 0,42 | 33,41 | − 0,61 | | |
| | Dec. 66 | 15,52 | | 32,80 | | | |
| 1774 | Jan. 0 | 0 47 27,03 | − 0,54 | 88 5 52,65 | − 0,60 | 265 | 334 |
| | Apr. 10 | 26,49 | − 0,68 | 52,05 | − 0,56 | | |
| | Jul. 19 | 25,81 | − 0,82 | 51,49 | − 0,54 | | |
| | Oct. 27 | 24,99 | − 0,96 | 50,95 | − 0,51 | | |
| | Dec. 66 | 24,03 | | 50,44 | | | |
| 1775 | Jan. 0 | 0 47 35,78 | − 1,06 | 88 6 10,25 | − 0,48 | 211 | 702 |
| | Apr. 10 | 34,72 | − 1,16 | 9,77 | − 0,43 | | |
| | Jul. 19 | 33,56 | − 1,27 | 9,34 | − 0,38 | | |
| | Oct. 27 | 32,29 | − 1,38 | 8,96 | − 0,34 | | |
| | Dec. 66 | 30,91 | | 8,62 | | | |
| 1776 | Jan. 1 | 0 47 42,85 | − 1,44 | 88 6 28,37 | − 0,31 | 158 | 070 |
| | Apr. 10 | 41,41 | − 1,50 | 28,06 | − 0,24 | | |
| | Jul. 19 | 39,91 | − 1,57 | 27,82 | − 0,19 | | |
| | Oct. 27 | 38,34 | − 1,63 | 27,63 | − 0,13 | | |
| | Dec. 66 | 36,71 | | 27,50 | | | |
| 1777 | Jan. 0 | 0 47 48,79 | − 1,66 | 88 6 47,17 | − 0,10 | 104 | 439 |
| | Apr. 10 | 47,13 | − 1,67 | 47,07 | − 0,03 | | |
| | Jul. 19 | 45,46 | − 1,68 | 47,04 | + 0,02 | | |
| | Oct. 27 | 43,78 | − 1,69 | 47,06 | + 0,09 | | |
| | Dec. 66 | 42,09 | | 47,15 | | | |
| 1778 | Jan. 0 | 0 47 54,24 | − 1,68 | 88 7 6,75 | + 0,12 | 050 | 807 |
| | Apr. 10 | 52,56 | − 1,64 | 6,87 | + 0,17 | | |
| | Jul. 19 | 50,92 | − 1,60 | 7,04 | + 0,23 | | |
| | Oct. 27 | 49,32 | − 1,56 | 7,27 | + 0,29 | | |
| | Dec. 66 | 47,76 | | 7,56 | | | |
| 1779 | Jan. 0 | 0 47 59,91 | − 1,49 | 88 7 27,08 | + 0,32 | 997 | 175 |
| | Apr. 10 | 58,42 | − 1,43 | 27,40 | + 0,37 | | |
| | Jul. 19 | 56,99 | − 1,35 | 27,77 | + 0,41 | | |
| | Oct. 27 | 55,64 | − 1,27 | 28,18 | + 0,44 | | |
| | Dec. 66 | 54,37 | | 28,62 | | | |

## Tabulae X. Sect. II. *α Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1780 | Jan. 1 | 0 48 6,48 | − 1,19 | 88 7 48,09 | + 0,48 | 943 | 544 |
| | Apr. 10 | 5,29 | − 1,06 | 48,57 | + 0,51 | | |
| | Jul. 19 | 4,23 | − 0,94 | 49,08 | + 0,53 | | |
| | Oct. 27 | 3,29 | − 0,82 | 49,61 | + 0,56 | | |
| | Dec. 66 | 2,47 | | 50,17 | | | |
| 1781 | Jan. 0 | 0 48 14,48 | − 0,72 | 88 8 9,60 | + 0,58 | 889 | 912 |
| | Apr. 10 | 13,76 | − 0,59 | 10,18 | + 0,59 | | |
| | Jul. 19 | 13,17 | − 0,44 | 10,77 | + 0,60 | | |
| | Oct. 27 | 12,73 | − 0,30 | 11,37 | + 0,61 | | |
| | Dec. 66 | 12,43 | | 11,98 | | | |
| 1782 | Jan. 0 | 0 48 24,33 | − 0,20 | 88 8 31,39 | + 0,62 | 835 | 280 |
| | Apr. 10 | 24,13 | − 0,04 | 32,01 | + 0,61 | | |
| | Jul. 19 | 24,09 | + 0,10 | 32,62 | + 0,60 | | |
| | Oct. 27 | 24,19 | + 0,26 | 33,22 | + 0,61 | | |
| | Dec. 66 | 24,45 | | 33,83 | | | |
| 1783 | Jan. 0 | 0 48 36,22 | + 0,36 | 88 8 53,24 | + 0,59 | 782 | 648 |
| | Apr. 10 | 36,58 | + 0,50 | 53,83 | + 0,56 | | |
| | Jul. 19 | 37,08 | + 0,64 | 54,39 | + 0,55 | | |
| | Oct. 27 | 37,72 | + 0,78 | 54,94 | + 0,52 | | |
| | Dec. 66 | 38,50 | | 55,46 | | | |
| 1784 | Jan. 1 | 0 48 50,17 | + 0,87 | 88 9 14,90 | + 0,50 | 728 | 017 |
| | Apr. 10 | 51,04 | + 1,00 | 15,40 | + 0,46 | | |
| | Jul. 19 | 52,04 | + 1,12 | 15,86 | + 0,43 | | |
| | Oct. 27 | 53,16 | + 1,24 | 16,29 | + 0,39 | | |
| | Dec. 66 | 54,40 | | 16,68 | | | |
| 1785 | Jan. 0 | 0 49 5,97 | + 1,31 | 88 9 36,16 | + 0,35 | 674 | 385 |
| | Apr. 10 | 7,28 | + 1,39 | 36,51 | + 0,31 | | |
| | Jul. 19 | 8,67 | + 1,48 | 36,82 | + 0,26 | | |
| | Oct. 27 | 10,15 | + 1,57 | 37,08 | + 0,21 | | |
| | Dec. 66 | 11,72 | | 37,29 | | | |
| 1786 | Jan. 0 | 0 49 23,25 | + 1,60 | 88 9 56,83 | + 0,17 | 620 | 753 |
| | Apr. 10 | 24,85 | + 1,65 | 57,00 | + 0,12 | | |
| | Jul. 19 | 26,50 | + 1,68 | 57,12 | + 0,06 | | |
| | Oct. 27 | 28,18 | + 1,72 | 57,18 | + 0,01 | | |
| | Dec. 66 | 29,90 | | 57,19 | | | |
| 1787 | Jan. 0 | 0 49 41,45 | + 1,73 | 88 10 16,79 | − 0,04 | 567 | 121 |
| | Apr. 10 | 43,18 | + 1,72 | 16,75 | − 0,09 | | |
| | Jul. 19 | 44,90 | + 1,70 | 16,66 | − 0,14 | | |
| | Oct. 27 | 46,60 | + 1,69 | 16,52 | − 0,21 | | |
| | Dec. 66 | 48,29 | | 16,31 | | | |
| 1788 | Jan. 1 | 0 49 59,91 | + 1,67 | 88 10 35,98 | − 0,25 | 513 | 490 |
| | Apr. 10 | 50 1,58 | + 1,59 | 35,73 | − 0,29 | | |
| | Jul. 19 | 3,17 | + 1,52 | 35,44 | − 0,34 | | |
| | Oct. 27 | 4,69 | + 1,45 | 35,10 | − 0,39 | | |
| | Dec. 66 | 6,14 | | 34,71 | | | |
| 1789 | Jan. 0 | 0 50 17,93 | + 1,40 | 88 10 54,43 | − 0,43 | 459 | 858 |
| | Apr. 10 | 19,33 | + 1,28 | 54,00 | − 0,46 | | |
| | Jul. 19 | 20,61 | + 1,17 | 53,54 | − 0,51 | | |
| | Oct. 27 | 21,78 | + 1,05 | 53,03 | − 0,54 | | |
| | Dec. 66 | 22,83 | | 52,49 | | | |

## Tabulae X. Sect. II. *a Ursae minoris.*

| | Corr. A. R. pro 1780 | | Variatio annua | | Corr. Decl. pro 1780 | | Variatio annua | | Mot. ☉+☊ | Arg. ☽ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | | |
| Jan. 0 | + 3,73 | −6,56 | +0,0464 | −187 | +20,15 | +0,47 | −0,0013 | +29 | 000 | 000 |
| 10 | − 2,83 | −6,55 | +0,0277 | −197 | +20,62 | −0,19 | +0,0016 | +29 | 026 | 365 |
| 20 | − 9,38 | −6,31 | +0,0080 | −203 | +20,43 | −0,82 | +0,0045 | +28 | 052 | 730 |
| 30 | −15,69 | −5,81 | −0,0123 | −197 | +19,61 | −1,43 | +0,0073 | +25 | 078 | 095 |
| Febr. 9 | −21,50 | −5,10 | −0,0320 | −186 | +18,18 | −1,96 | +0,0098 | +22 | 103 | 460 |
| 19 | −26,60 | −4,18 | −0,0506 | −165 | +16,22 | −2,42 | +0,0120 | +18 | 129 | 825 |
| Mart. 1 | −30,78 | −3,10 | −0,0671 | −141 | +13,80 | −2,76 | +0,0138 | +13 | 155 | 190 |
| 11 | −33,88 | −1,91 | −0,0812 | −110 | +11,04 | −2,98 | +0,0151 | + 8 | 181 | 555 |
| 21 | −35,79 | −0,66 | −0,0922 | − 74 | + 8,06 | −3,09 | +0,0159 | + 3 | 207 | 920 |
| 31 | −36,45 | +0,60 | −0,0996 | − 37 | + 4,97 | −3,07 | +0,0162 | − 3 | 233 | 285 |
| Apr. 10 | −35,85 | +1,82 | −0,1033 | 0 | + 1,90 | −2,93 | +0,0159 | − 8 | 258 | 650 |
| 20 | −34,03 | +2,95 | −0,1033 | + 39 | − 1,03 | −2,68 | +0,0151 | −13 | 284 | 015 |
| 30 | −31,08 | +3,98 | −0,0994 | + 72 | − 3,71 | −2,34 | +0,0138 | −18 | 310 | 380 |
| Maj. 10 | −27,10 | +4,85 | −0,0921 | +106 | − 6,05 | −1,91 | +0,0120 | −21 | 336 | 745 |
| 20 | −22,25 | +5,55 | −0,0815 | +135 | − 7,96 | −1,43 | +0,0099 | −23 | 362 | 110 |
| 30 | −16,70 | +6,08 | −0,0680 | +158 | − 9,39 | −0,91 | +0,0076 | −26 | 388 | 475 |
| Jun. 9 | −10,62 | +6,42 | −0,0522 | +176 | −10,30 | −0,36 | +0,0050 | −27 | 413 | 840 |
| 19 | − 4,20 | +6,59 | −0,0346 | +193 | −10,66 | +0,20 | +0,0023 | −28 | 439 | 205 |
| 29 | + 2,39 | +6,58 | −0,0153 | +201 | −10,46 | +0,74 | −0,0005 | −27 | 465 | 570 |
| Jul. 9 | + 8,97 | +6,41 | +0,0048 | +205 | − 9,72 | +1,28 | −0,0032 | −28 | 491 | 935 |
| 19 | +15,38 | +6,09 | +0,0253 | +205 | − 8,44 | +1,78 | −0,0060 | −26 | 517 | 300 |
| 29 | +21,47 | +5,65 | +0,0458 | +200 | − 6,66 | +2,24 | −0,0086 | −23 | 543 | 665 |
| Aug. 8 | +27,12 | +5,08 | +0,0658 | +191 | − 4,42 | +2,66 | −0,0109 | −22 | 568 | 030 |
| 18 | +32,20 | +4,42 | +0,0849 | +179 | − 1,76 | +3,01 | −0,0131 | −19 | 594 | 395 |
| 28 | +36,62 | +3,66 | +0,1028 | +163 | + 1,25 | +3,30 | −0,0150 | −16 | 620 | 760 |
| Sept. 7 | +40,28 | +2,82 | +0,1191 | +143 | + 4,55 | +3,55 | −0,0166 | −12 | 646 | 125 |
| 17 | +43,10 | +1,93 | +0,1334 | +120 | + 8,10 | +3,70 | −0,0178 | − 8 | 672 | 490 |
| 27 | +45,03 | +0,97 | +0,1454 | + 96 | +11,80 | +3,80 | −0,0186 | − 4 | 698 | 855 |
| Oct. 7 | +46,00 | −0,01 | +0,1548 | + 65 | +15,60 | +3,80 | −0,0190 | + 1 | 723 | 220 |
| 17 | +45,99 | −1,02 | +0,1613 | + 36 | +19,40 | +3,73 | −0,0189 | + 5 | 749 | 585 |
| 27 | +44,97 | −2,03 | +0,1649 | + 3 | +23,13 | +3,58 | −0,0184 | + 9 | 775 | 950 |
| Nov. 6 | +42,94 | −3,02 | +0,1652 | − 32 | +26,71 | +3,32 | −0,0175 | +14 | 801 | 315 |
| 16 | +39,92 | −3,95 | +0,1620 | − 65 | +30,03 | +2,99 | −0,0161 | +18 | 827 | 680 |
| 26 | +35,97 | −4,80 | +0,1555 | − 97 | +33,02 | +2,57 | −0,0143 | +22 | 853 | 045 |
| Dec. 6 | +31,17 | −5,52 | +0,1458 | −128 | +35,59 | +2,06 | −0,0121 | +25 | 879 | 410 |
| 16 | +25,65 | −6,09 | +0,1330 | −155 | +37,65 | +1,49 | −0,0096 | +28 | 904 | 775 |
| 26 | +19,56 | −6,45 | +0,1175 | −176 | +39,14 | +0,88 | −0,0068 | +28 | 930 | 140 |
| 36 | +13,11 | | +0,0999 | | +40,02 | | −0,0040 | | 956 | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 2 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Oct. 6 { + 1,5 / + 2,5 }

## Tabulae X. Sect. II. *α Ursae minoris.*

| Motus Arg. | | |
|---|---|---|
| Dies | ☉+☊ | ☽ |
| 1 | 003 | 037 |
| 2 | 005 | 073 |
| 3 | 008 | 110 |
| 4 | 010 | 146 |
| 5 | 013 | 183 |
| 6 | 016 | 219 |
| 7 | 018 | 256 |
| 8 | 021 | 292 |
| 9 | 023 | 329 |
| 10 | 026 | 365 |

| Arg. ☉+☊ | | |
|---|---|---|
| Arg. | A. R. | Arg. |
| 000 | —0″,02 + | 500 |
| 010 | —0,02 + | 510 |
| 020 | —0,01 + | 520 |
| 030 | —0,01 + | 530 |
| 040 | —0,01 + | 540 |
| 050 | —0,01 + | 550 |
| 060 | 0,00 | 560 |
| 070 | 0,00 | 570 |
| 080 | 0,00 | 580 |
| 090 | +0,01 — | 590 |
| 100 | +0,01 — | 600 |
| 110 | +0,01 — | 610 |
| 120 | +0,02 — | 620 |
| 130 | +0,02 — | 630 |
| 140 | +0,02 — | 640 |
| 150 | +0,02 — | 650 |
| 160 | +0,03 — | 660 |
| 170 | +0,03 — | 670 |
| 180 | +0,03 — | 680 |
| 190 | +0,03 — | 690 |
| 200 | +0,03 — | 700 |
| 210 | +0,04 — | 710 |
| 220 | +0,04 — | 720 |
| 230 | +0,04 — | 730 |
| 240 | +0,04 — | 740 |
| 250 | +0,04 — | 750 |
| 260 | +0,04 — | 760 |
| 270 | +0,04 — | 770 |
| 280 | +0,05 — | 780 |
| 290 | +0,05 — | 790 |
| 300 | +0,05 — | 800 |
| 310 | +0,05 — | 810 |
| 320 | +0,05 — | 820 |
| 330 | +0,05 — | 830 |
| 340 | +0,05 — | 840 |
| 350 | +0,04 — | 850 |
| 360 | +0,04 — | 860 |
| 370 | +0,04 — | 870 |
| 380 | +0,04 — | 880 |
| 390 | +0,04 — | 890 |
| 400 | +0,04 — | 900 |
| 410 | +0,04 — | 910 |
| 420 | +0,04 — | 920 |
| 430 | +0,03 — | 930 |
| 440 | +0,03 — | 940 |
| 450 | +0,03 — | 950 |
| 460 | +0,03 — | 960 |
| 470 | +0,03 — | 970 |
| 480 | +0,02 — | 980 |
| 490 | +0,02 — | 990 |

| Arg. ☽ | | | |
|---|---|---|---|
| Arg. | Arg. | A. R. | Decl. |
| 000 | 500 | —0″,17 | +0″,02 |
| 010 | 510 | —0,18 | +0,01 |
| 020 | 520 | —0,18 | 0,00 |
| 030 | 530 | —0,18 | —0,01 |
| 040 | 540 | —0,17 | —0,02 |
| 050 | 550 | —0,17 | —0,03 |
| 060 | 560 | —0,16 | —0,04 |
| 070 | 570 | —0,15 | —0,05 |
| 080 | 580 | —0,13 | —0,06 |
| 090 | 590 | —0,12 | —0,06 |
| 100 | 600 | —0,10 | —0,07 |
| 110 | 610 | —0,08 | —0,07 |
| 120 | 620 | —0,06 | —0,08 |
| 130 | 630 | —0,04 | —0,08 |
| 140 | 640 | —0,01 | —0,08 |
| 150 | 650 | +0,01 | —0,08 |
| 160 | 660 | +0,03 | —0,08 |
| 170 | 670 | +0,05 | —0,08 |
| 180 | 680 | +0,07 | —0,07 |
| 190 | 690 | +0,09 | —0,07 |
| 200 | 700 | +0,11 | —0,06 |
| 210 | 710 | +0,13 | —0,05 |
| 220 | 720 | +0,14 | —0,05 |
| 230 | 730 | +0,15 | —0,04 |
| 240 | 740 | +0,16 | —0,03 |
| 250 | 750 | +0,17 | —0,02 |
| 260 | 760 | +0,18 | —0,01 |
| 270 | 770 | +0,18 | 0,00 |
| 280 | 780 | +0,18 | +0,01 |
| 290 | 790 | +0,17 | +0,02 |
| 300 | 800 | +0,17 | +0,03 |
| 310 | 810 | +0,16 | +0,04 |
| 320 | 820 | +0,15 | +0,05 |
| 330 | 830 | +0,13 | +0,06 |
| 340 | 840 | +0,12 | +0,06 |
| 350 | 850 | +0,10 | +0,07 |
| 360 | 860 | +0,08 | +0,07 |
| 370 | 870 | +0,06 | +0,08 |
| 380 | 880 | +0,04 | +0,08 |
| 390 | 890 | +0,01 | +0,08 |
| 400 | 900 | —0,01 | +0,08 |
| 410 | 910 | —0,03 | +0,08 |
| 420 | 920 | —0,05 | +0,08 |
| 430 | 930 | —0,07 | +0,07 |
| 440 | 940 | —0,09 | +0,07 |
| 450 | 950 | —0,11 | +0,06 |
| 460 | 960 | —0,13 | +0,05 |
| 470 | 970 | —0,14 | +0,05 |
| 480 | 980 | —0,15 | +0,04 |
| 490 | 990 | —0,16 | +0,03 |

## Tabulae X. Sect. II. *α Ursae minoris.*

| | A. R. med. | + | Decl. med. | + |
|---|---|---|---|---|
| | h ′ ″ | ″ | ° ′ ″ | ″ |
| 1770 | 0 46 24,441 | 11,185 | 88 4 36,346 | 19,655 |
| 1771 | 46 35,626 | 11,239 | 4 56,001 | 19,652 |
| 1772 | 46 46,865 | 11,295 | 5 15,653 | 19,649 |
| 1773 | 46 58,160 | 11,351 | 5 35,302 | 19,645 |
| 1774 | 47 9,511 | 11,407 | 5 54,947 | 19,642 |
| 1775 | 47 20,918 | 11,464 | 6 14,589 | 19,638 |
| 1776 | 47 32,382 | 11,522 | 6 34,227 | 19,635 |
| 1777 | 47 43,904 | 11,579 | 6 53,862 | 19,631 |
| 1778 | 47 55,483 | 11,638 | 7 13,493 | 19,627 |
| 1779 | 48 7,121 | 11,696 | 7 33,120 | 19,624 |
| 1780 | 48 18,817 | 11,756 | 7 52,744 | 19,620 |
| 1781 | 48 30,573 | 11,815 | 8 12,364 | 19,616 |
| 1782 | 48 42,388 | 11,877 | 8 31,980 | 19,612 |
| 1783 | 48 54,265 | 11,937 | 8 51,592 | 19,609 |
| 1784 | 49 6,202 | 11,999 | 9 11,201 | 19,605 |
| 1785 | 49 18,201 | 12,060 | 9 30,806 | 19,601 |
| 1786 | 49 30,261 | 12,124 | 9 50,407 | 19,597 |
| 1787 | 49 42,385 | 12,186 | 10 10,004 | 19,593 |
| 1788 | 49 54,571 | 12,251 | 10 29,597 | 19,589 |
| 1789 | 50 6,822 | 12,314 | 10 49,186 | 19,586 |
| 1790 | 50 19,136 | | 11 8,772 | |

# Tabulae X. Sectio tertia.

*Adscensiones rectae et Declinationes mediae et apparentes*
*Stellarum* 36 *fundamentalium atque* α *Ursae minoris,*

ab Anno 1790 usque ad Annum 1810.

## Tabulae X. Sect. III. γ *Pegasi.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 0 2 27,216 | + 14 1 0,19 | 1800 | Jan. 0 | 0 2 56,437 | + 14 4 12,13 |
| | Apr. 10 | 27,157 | 0 59,74 | | Apr. 10 | 56,511 | 12,66 |
| | Jul. 19 | 27,092 | 59,25 | | Jul. 19 | 56,589 | 13,21 |
| | Oct. 27 | 27,021 | 58,73 | | Oct. 27 | 56,671 | 13,78 |
| | Dec. 66 | 26,943 | 58,17 | | Dec. 66 | 56,757 | 14,36 |
| 1791 | Jan. 0 | 0 2 30,045 | + 14 1 18,39 | 1801 | Jan. 0 | 0 2 59,805 | + 14 4 34,20 |
| | Apr. 10 | 29,963 | 17,82 | | Apr. 10 | 59,893 | 34,79 |
| | Jul. 19 | 29,877 | 17,23 | | Jul. 19 | 59,983 | 35,39 |
| | Oct. 27 | 29,787 | 16,62 | | Oct. 27 | 3 0,075 | 35,99 |
| | Dec. 66 | 29,694 | 15,99 | | Dec. 66 | 0,168 | 36,59 |
| 1792 | Jan. 1 | 0 2 32,801 | + 14 1 36,23 | 1802 | Jan. 0 | 0 3 3,214 | + 14 4 56,42 |
| | Apr. 10 | 32,705 | 35,60 | | Apr. 10 | 3,308 | 57,02 |
| | Jul. 19 | 32,609 | 34,97 | | Jul. 19 | 3,400 | 57,60 |
| | Oct. 27 | 32,512 | 34,35 | | Oct. 27 | 3,492 | 58,16 |
| | Dec. 66 | 32,414 | 33,73 | | Dec. 66 | 3,583 | 58,71 |
| 1793 | Jan. 0 | 0 2 35,522 | + 14 1 53,96 | 1803 | Jan. 0 | 0 3 6,630 | + 14 5 18,56 |
| | Apr. 10 | 35,424 | 53,35 | | Apr. 10 | 6,719 | 19,10 |
| | Jul. 19 | 35,329 | 52,77 | | Jul. 19 | 6,805 | 19,60 |
| | Oct. 27 | 35,236 | 52,20 | | Oct. 27 | 6,887 | 20,07 |
| | Dec. 66 | 35,145 | 51,66 | | Dec. 66 | 6,965 | 20,52 |
| 1794 | Jan. 0 | 0 2 38,251 | + 14 2 11,87 | 1804 | Jan. 1 | 0 3 10,016 | + 14 5 40,40 |
| | Apr. 10 | 38,163 | 11,35 | | Apr. 10 | 10,091 | 40,82 |
| | Jul. 19 | 38,080 | 10,88 | | Jul. 19 | 10,160 | 41,19 |
| | Oct. 27 | 38,002 | 10,44 | | Oct. 27 | 10,223 | 41,52 |
| | Dec. 66 | 37,929 | 10,05 | | Dec. 66 | 10,281 | 41,81 |
| 1795 | Jan. 0 | 0 2 41,029 | + 14 2 30,20 | 1805 | Jan. 0 | 0 3 13,339 | + 14 6 1,75 |
| | Apr. 10 | 40,961 | 29,84 | | Apr. 10 | 13,392 | 2,00 |
| | Jul. 19 | 40,900 | 29,53 | | Jul. 19 | 13,437 | 2,19 |
| | Oct. 27 | 40,846 | 29,27 | | Oct. 27 | 13,474 | 2,34 |
| | Dec. 66 | 40,800 | 29,06 | | Dec. 66 | 13,503 | 2,43 |
| 1796 | Jan. 1 | 0 2 43,891 | + 14 2 49,16 | 1806 | Jan. 0 | 0 3 16,572 | + 14 6 22,44 |
| | Apr. 10 | 43,850 | 48,99 | | Apr. 10 | 16,595 | 22,49 |
| | Jul. 19 | 43,818 | 48,88 | | Jul. 19 | 16,610 | 22,49 |
| | Oct. 27 | 43,794 | 48,82 | | Oct. 27 | 16,616 | 22,42 |
| | Dec. 66 | 43,779 | 48,82 | | Dec. 66 | 16,614 | 22,30 |
| 1797 | Jan. 0 | 0 2 46,859 | + 14 3 8,85 | 1807 | Jan. 0 | 0 3 19,693 | + 14 6 42,38 |
| | Apr. 10 | 46,850 | 8,89 | | Apr. 10 | 19,684 | 42,23 |
| | Jul. 19 | 46,849 | 8,98 | | Jul. 19 | 19,667 | 42,02 |
| | Oct. 27 | 46,857 | 9,13 | | Oct. 27 | 19,640 | 41,75 |
| | Dec. 66 | 46,874 | 9,34 | | Dec. 66 | 19,605 | 41,43 |
| 1798 | Jan. 0 | 0 2 49,944 | + 14 3 29,29 | 1808 | Jan. 1 | 0 3 22,695 | + 14 7 1,58 |
| | Apr. 10 | 49,967 | 29,53 | | Apr. 10 | 22,654 | 1,23 |
| | Jul. 19 | 49,997 | 29,82 | | Jul. 19 | 22,606 | 0,83 |
| | Oct. 27 | 50,036 | 30,15 | | Oct. 27 | 22,550 | 0,39 |
| | Dec. 66 | 50,082 | 30,53 | | Dec. 66 | 22,486 | 6 59,91 |
| 1799 | Jan. 0 | 0 2 53,142 | + 14 3 50,43 | 1809 | Jan. 0 | 0 3 25,586 | + 14 7 20,10 |
| | Apr. 10 | 53,193 | 50,84 | | Apr. 10 | 25,517 | 19,59 |
| | Jul. 19 | 53,251 | 51,28 | | Jul. 19 | 25,443 | 19,06 |
| | Oct. 27 | 53,314 | 51,76 | | Oct. 27 | 25,364 | 18,49 |
| | Dec. 66 | 53,384 | 52,27 | | Dec. 66 | 25,279 | 17,89 |

## Tabulae X. Sect. III. γ *Pegasi.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,158 | −11,3 | + 3,73 | − 7,8 | +3 | +2 |
| 10 | −0,271 | −11,0 | + 2,90 | − 8,9 | +3 | +2 |
| 20 | −0,377 | −10,2 | + 1,96 | − 9,8 | +3 | +2 |
| 30 | −0,474 | − 8,9 | + 0,95 | −10,2 | +2 | +2 |
| Febr. 9 | −0,555 | − 7,1 | − 0,08 | −10,2 | +2 | +2 |
| 19 | −0,615 | − 4,8 | − 1,08 | − 9,7 | +2 | +2 |
| Mart. 1 | −0,650 | − 1,9 | − 2,01 | − 8,6 | +1 | +2 |
| 11 | −0,653 | + 1,5 | − 2,80 | − 7,0 | 0 | +2 |
| 21 | −0,621 | + 5,2 | − 3,40 | − 4,9 | 0 | +1 |
| 31 | −0,549 | + 9,3 | − 3,77 | − 2,3 | −1 | +1 |
| Apr. 10 | −0,436 | +13,4 | − 3,86 | + 0,6 | −1 | +1 |
| 20 | −0,281 | +17,5 | − 3,66 | + 3,7 | −2 | 0 |
| 30 | −0,086 | +21,4 | − 3,13 | + 6,9 | −2 | 0 |
| Maj. 10 | +0,146 | +24,9 | − 2,29 | + 9,9 | −2 | −1 |
| 20 | +0,411 | +27,8 | − 1,15 | +12,9 | −2 | −1 |
| 30 | +0,702 | +30,1 | + 0,28 | +15,6 | −2 | −1 |
| Jun. 9 | +1,012 | +31,5 | + 1,96 | +17,8 | −3 | −2 |
| 19 | +1,332 | +32,1 | + 3,83 | +19,5 | −2 | −2 |
| 29 | +1,654 | +32,0 | + 5,86 | +20,8 | −2 | −2 |
| Jul. 9 | +1,971 | +30,9 | + 7,99 | +21,6 | −2 | −2 |
| 19 | +2,272 | +29,1 | +10,17 | +21,7 | −2 | −2 |
| 29 | +2,552 | +26,6 | +12,33 | +21,3 | −2 | −2 |
| Aug. 8 | +2,804 | +23,5 | +14,43 | +20,5 | −1 | −2 |
| 18 | +3,022 | +20,0 | +16,43 | +19,2 | −1 | −2 |
| 28 | +3,204 | +16,3 | +18,27 | +17,6 | 0 | −2 |
| Sept. 7 | +3,348 | +12,5 | +19,95 | +15,8 | 0 | −2 |
| 17 | +3,453 | + 8,7 | +21,42 | +13,6 | +1 | −1 |
| 27 | +3,521 | + 5,0 | +22,67 | +11,4 | +1 | −1 |
| Oct. 7 | +3,552 | + 1,6 | +23,70 | + 9,2 | +2 | −1 |
| 17 | +3,552 | − 1,4 | +24,50 | + 6,9 | +2 | 0 |
| 27 | +3,524 | − 4,1 | +25,07 | + 4,7 | +3 | 0 |
| Nov. 6 | +3,471 | − 6,3 | +25,44 | + 2,6 | +3 | 0 |
| 16 | +3,398 | − 8,1 | +25,58 | + 0,4 | +4 | +1 |
| 26 | +3,310 | − 9,4 | +25,52 | − 1,6 | +4 | +1 |
| Dec. 6 | +3,210 | −10,4 | +25,27 | − 3,5 | +4 | +1 |
| 16 | +3,102 | −11,1 | +24,83 | − 5,3 | +4 | +1 |
| 26 | +2,989 | −11,4 | +24,22 | − 6,9 | +4 | +2 |
| 36 | +2,875 | −11,5 | +23,46 | − 8,4 | +4 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 0 2 26,3534 | + 14 0 55,310 |
| 1791 | 2 29,4290 | 1 15,342 |
| 1792 | 2 32,5048 | 1 35,374 |
| 1793 | 2 35,5807 | 1 55,406 |
| 1794 | 2 38,6566 | 2 15,438 |
| 1795 | 2 41,7326 | 2 35,469 |
| 1796 | 2 44,8087 | 2 55,501 |
| 1797 | 2 47,8849 | 3 15,532 |
| 1798 | 2 50,9612 | 3 35,564 |
| 1799 | 2 54,0376 | 3 55,595 |
| 1800 | 2 57,1143 | 4 15,626 |
| 1801 | 3 0,1909 | 4 35,657 |
| 1802 | 3 3,2676 | 4 55,688 |
| 1803 | 3 6,3444 | 5 15,718 |
| 1804 | 3 9,4213 | 5 35,749 |
| 1805 | 3 12,4983 | 5 55,779 |
| 1806 | 3 15,5754 | 6 15,810 |
| 1807 | 3 18,6526 | 6 35,840 |
| 1808 | 3 21,7299 | 6 55,870 |
| 1809 | 3 24,8073 | 7 15,900 |
| 1810 | 3 27,8849 | 7 35,929 |

Diei reducto addendum est:

ante } Mart. 21 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Arietis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 1 55 23,237 | +22 27 42,11 | 1800 | Jan. 0 | 1 55 54,988 | +22 30 35,32 |
| | Apr. 10 | 23,177 | 41,44 | | Apr. 10 | 55,066 | 35,98 |
| | Jul. 19 | 23,109 | 40,76 | | Jul. 19 | 55,148 | 36,62 |
| | Oct. 27 | 23,034 | 40,08 | | Oct. 27 | 55,236 | 37,25 |
| | Dec. 66 | 22,952 | 39,40 | | Dec. 66 | 55,328 | 37,86 |
| 1791 | Jan. 0 | 1 55 26,330 | +22 27 57,05 | 1801 | Jan. 0 | 1 55 58,649 | +22 30 55,05 |
| | Apr. 10 | 26,243 | 56,37 | | Apr. 10 | 58,744 | 55,65 |
| | Jul. 19 | 26,152 | 55,72 | | Jul. 19 | 58,841 | 56,21 |
| | Oct. 27 | 26,055 | 55,08 | | Oct. 27 | 58,941 | 56,74 |
| | Dec. 66 | 25,954 | 54,47 | | Dec. 66 | 59,043 | 57,23 |
| 1792 | Jan. 1 | 1 55 29,338 | +22 28 12,09 | 1802 | Jan. 0 | 1 56 2,360 | +22 31 14,47 |
| | Apr. 10 | 29,235 | 11,50 | | Apr. 10 | 2,462 | 14,94 |
| | Jul. 19 | 29,130 | 10,95 | | Jul. 19 | 2,564 | 15,36 |
| | Oct. 27 | 29,024 | 10,44 | | Oct. 27 | 2,665 | 15,73 |
| | Dec. 66 | 28,917 | 9,97 | | Dec. 66 | 2,766 | 16,06 |
| 1793 | Jan. 0 | 1 55 32,303 | +22 28 27,54 | 1803 | Jan. 0 | 1 56 6,085 | +22 31 33,35 |
| | Apr. 10 | 32,195 | 27,10 | | Apr. 10 | 6,184 | 33,64 |
| | Jul. 19 | 32,090 | 26,72 | | Jul. 19 | 6,279 | 33,88 |
| | Oct. 27 | 31,987 | 26,39 | | Oct. 27 | 6,371 | 34,06 |
| | Dec. 66 | 31,886 | 26,12 | | Dec. 66 | 6,460 | 34,19 |
| 1794 | Jan. 0 | 1 55 35,270 | +22 28 43,62 | 1804 | Jan. 1 | 1 56 9,783 | +22 31 51,54 |
| | Apr. 10 | 35,171 | 43,39 | | Apr. 10 | 9,868 | 51,63 |
| | Jul. 19 | 35,078 | 43,22 | | Jul. 19 | 9,947 | 51,65 |
| | Oct. 27 | 34,990 | 43,12 | | Oct. 27 | 10,020 | 51,62 |
| | Dec. 66 | 34,907 | 43,08 | | Dec. 66 | 10,086 | 51,53 |
| 1795 | Jan. 0 | 1 55 38,285 | +22 29 0,50 | 1805 | Jan. 0 | 1 56 13,417 | +22 32 8,95 |
| | Apr. 10 | 38,207 | 0,50 | | Apr. 10 | 13,479 | 8,81 |
| | Jul. 19 | 38,136 | 0,56 | | Jul. 19 | 13,532 | 8,62 |
| | Oct. 27 | 38,073 | 0,69 | | Oct. 27 | 13,577 | 8,37 |
| | Dec. 66 | 38,018 | 0,88 | | Dec. 66 | 13,614 | 8,06 |
| 1796 | Jan. 1 | 1 55 41,386 | +22 29 18,22 | 1806 | Jan. 0 | 1 56 16,955 | +22 32 25,56 |
| | Apr. 10 | 41,337 | 18,45 | | Apr. 10 | 16,986 | 25,21 |
| | Jul. 19 | 41,297 | 18,73 | | Jul. 19 | 17,007 | 24,82 |
| | Oct. 27 | 41,266 | 19,07 | | Oct. 27 | 17,019 | 24,37 |
| | Dec. 66 | 41,245 | 19,47 | | Dec. 66 | 17,021 | 23,88 |
| 1797 | Jan. 0 | 1 55 44,602 | +22 29 36,73 | 1807 | Jan. 0 | 1 56 20,374 | +22 32 41,44 |
| | Apr. 10 | 44,587 | 37,15 | | Apr. 10 | 20,369 | 40,92 |
| | Jul. 19 | 44,581 | 37,63 | | Jul. 19 | 20,355 | 40,36 |
| | Oct. 27 | 44,585 | 38,13 | | Oct. 27 | 20,331 | 39,77 |
| | Dec. 66 | 44,599 | 38,69 | | Dec. 66 | 20,297 | 39,15 |
| 1798 | Jan. 0 | 1 55 47,944 | +22 29 55,91 | 1808 | Jan. 1 | 1 56 23,663 | +22 32 56,74 |
| | Apr. 10 | 47,964 | 56,48 | | Apr. 10 | 23,623 | 56,10 |
| | Jul. 19 | 47,993 | 57,07 | | Jul. 19 | 23,574 | 55,44 |
| | Oct. 27 | 48,030 | 57,69 | | Oct. 27 | 23,517 | 54,77 |
| | Dec. 66 | 48,076 | 58,33 | | Dec. 66 | 23,451 | 54,09 |
| 1799 | Jan. 0 | 1 55 51,411 | +22 30 15,52 | 1809 | Jan. 0 | 1 56 26,827 | +22 33 11,70 |
| | Apr. 10 | 51,463 | 16,17 | | Apr. 10 | 26,756 | 11,01 |
| | Jul. 19 | 51,522 | 16,82 | | Jul. 19 | 26,678 | 10,33 |
| | Oct. 27 | 51,588 | 17,48 | | Oct. 27 | 26,594 | 9,66 |
| | Dec. 66 | 51,661 | 18,14 | | Dec. 66 | 26,503 | 9,00 |

## Tabulae X. Sect. III. *α Arietis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,545 | —10,6 | + 5,90 | — 2,3 | +4 | +1 | 1790 | 1 55 22,2630 | +22 27 40,749 |
| 10 | +0,429 | —12,5 | + 5,58 | — 4,1 | +4 | +1 | 1791 | 55 25,6126 | 27 58,170 |
| 20 | +0,296 | —13,9 | + 5,09 | — 5,7 | +4 | +1 | 1792 | 55 28,9624 | 28 15,588 |
| 30 | +0,152 | —14,6 | + 4,45 | — 7,1 | +4 | +2 | 1793 | 55 32,3124 | 28 33,003 |
| Febr. 9 | +0,005 | —14,6 | + 3,68 | — 8,2 | +3 | +2 | 1794 | 55 35,6626 | 28 50,417 |
| | | | | | | | 1795 | 55 39,0131 | 29 7,828 |
| 19 | —0,139 | —13,8 | + 2,82 | — 8,9 | +3 | +2 | 1796 | 55 42,3637 | 29 25,236 |
| Mart. 1 | —0,270 | —12,0 | + 1,90 | — 9,3 | +3 | +2 | 1797 | 55 45,7145 | 29 42,642 |
| 11 | —0,379 | — 9,5 | + 0,96 | — 9,2 | +2 | +2 | 1798 | 55 49,0655 | 30 0,046 |
| 21 | —0,459 | — 6,1 | + 0,07 | — 8,5 | +2 | +2 | 1799 | 55 52,4167 | 30 17,447 |
| 31 | —0,501 | — 2,1 | — 0,74 | — 7,4 | +1 | +2 | 1800 | 55 55,7682 | 30 34,846 |
| | | | | | | | 1801 | 55 59,1198 | 30 52,243 |
| Apr. 10 | —0,500 | + 2,5 | — 1,40 | — 5,7 | 0 | +2 | 1802 | 56 2,4716 | 31 9,637 |
| 20 | —0,452 | + 7,3 | — 1,87 | — 3,6 | 0 | +1 | 1803 | 56 5,8236 | 31 27,028 |
| 30 | —0,355 | +12,1 | — 2,11 | — 1,1 | —1 | +1 | 1804 | 56 9,1758 | 31 44,418 |
| Maj. 10 | —0,210 | +16,8 | — 2,09 | + 1,6 | —1 | 0 | 1805 | 56 12,5283 | 32 1,805 |
| 20 | —0,019 | +21,3 | — 1,80 | + 4,3 | —1 | 0 | 1806 | 56 15,8809 | 32 19,189 |
| | | | | | | | 1807 | 56 19,2337 | 32 36,571 |
| 30 | +0,215 | +25,2 | — 1,23 | + 7,2 | —2 | —1 | 1808 | 56 22,5867 | 32 53,951 |
| Jun. 9 | +0,484 | +28,4 | — 0,38 | + 9,8 | —2 | —1 | 1809 | 56 25,9399 | 33 11,328 |
| 19 | +0,782 | +30,8 | + 0,72 | +12,2 | —2 | —2 | 1810 | 56 29,2935 | 33 28,703 |
| 29 | +1,100 | +32,4 | + 2,05 | +14,3 | —2 | —2 | | | |
| Jul. 9 | +1,430 | +33,2 | + 3,57 | +16,0 | —2 | —2 | | | |
| 19 | +1,764 | +33,2 | + 5,24 | +17,2 | —2 | —3 | | | |
| 29 | +2,094 | +32,4 | + 7,01 | +18,0 | —2 | —3 | | | |
| Aug. 8 | +2,412 | +30,9 | + 8,84 | +18,4 | —2 | —4 | | | |
| 18 | +2,712 | +28,9 | +10,68 | +18,3 | —2 | —4 | | | |
| 28 | +2,989 | +26,4 | +12,49 | +17,7 | —1 | —4 | | | |
| Sept. 7 | +3,239 | +23,5 | +14,22 | +16,8 | —1 | —4 | | | |
| 17 | +3,459 | +20,5 | +15,85 | +15,7 | 0 | —4 | | | |
| 27 | +3,648 | +17,3 | +17,36 | +14,3 | 0 | —4 | | | |
| Oct. 7 | +3,805 | +14,1 | +18,71 | +12,8 | +1 | —4 | | | |
| 17 | +3,929 | +10,9 | +19,91 | +11,1 | +2 | —4 | | | |
| 27 | +4,022 | + 7,8 | +20,93 | + 9,4 | +2 | —4 | | | |
| Nov. 6 | +4,084 | + 4,7 | +21,78 | + 7,7 | +3 | —4 | | | |
| 16 | +4,116 | + 1,7 | +22,46 | + 5,9 | +4 | —3 | | | |
| 26 | +4,118 | — 1,2 | +22,96 | + 4,2 | +4 | —3 | | | |
| Dec. 6 | +4,092 | — 4,0 | +23,29 | + 2,4 | +5 | —3 | | | |
| 16 | +4,038 | — 6,7 | +23,44 | + 0,6 | +5 | —2 | | | |
| 26 | +3,958 | — 9,2 | +23,40 | — 1,3 | +5 | —2 | | | |
| 36 | +3,855 | —11,3 | +23,19 | — 3,0 | +6 | —2 | | | |

Diei reducto addendum est:

ante } Apr. 20 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Ceti.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 2 51 19,950 | + 3 15 20,97 | 1800 | Jan. 0 | 2 51 49,781 | + 3 17 49,68 |
| | Apr. 10 | 19,883 | 20,24 | | Apr. 10 | 49,862 | 50,25 |
| | Jul. 19 | 19,808 | 19,53 | | Jul. 19 | 49,946 | 50,85 |
| | Oct. 27 | 19,730 | 18,83 | | Oct. 27 | 50,033 | 51,49 |
| | Dec. 66 | 19,644 | 18,15 | | Dec. 66 | 50,124 | 52,16 |
| 1791 | Jan. 0 | 2 51 22,793 | + 3 15 32,96 | 1801 | Jan. 0 | 2 51 53,214 | + 3 18 6,51 |
| | Apr. 10 | 22,704 | 32,30 | | Apr. 10 | 53,301 | 7,05 |
| | Jul. 19 | 22,613 | 31,67 | | Jul. 19 | 53,389 | 7,54 |
| | Oct. 27 | 22,519 | 31,07 | | Oct. 27 | 53,486 | 7,99 |
| | Dec. 66 | 22,422 | 30,53 | | Dec. 66 | 53,583 | 8,39 |
| 1792 | Jan. 1 | 2 51 25,574 | + 3 15 45,29 | 1802 | Jan. 0 | 2 51 56,676 | + 3 18 22,81 |
| | Apr. 10 | 25,476 | 44,77 | | Apr. 10 | 56,769 | 23,17 |
| | Jul. 19 | 25,378 | 44,31 | | Jul. 19 | 56,861 | 23,47 |
| | Oct. 27 | 25,280 | 43,90 | | Oct. 27 | 56,951 | 23,72 |
| | Dec. 66 | 25,183 | 43,55 | | Dec. 66 | 57,038 | 23,90 |
| 1793 | Jan. 0 | 2 51 28,335 | + 3 15 58,24 | 1803 | Jan. 0 | 2 52 0,131 | + 3 18 38,39 |
| | Apr. 10 | 28,239 | 57,93 | | Apr. 10 | 0,216 | 38,54 |
| | Jul. 19 | 28,146 | 57,69 | | Jul. 19 | 0,297 | 38,62 |
| | Oct. 27 | 28,057 | 57,52 | | Oct. 27 | 0,373 | 38,63 |
| | Dec. 66 | 27,971 | 57,41 | | Dec. 66 | 0,445 | 38,58 |
| 1794 | Jan. 0 | 2 51 31,119 | + 3 16 12,01 | 1804 | Jan. 1 | 2 52 3,542 | + 3 18 53,15 |
| | Apr. 10 | 31,036 | 11,96 | | Apr. 10 | 3,610 | 53,03 |
| | Jul. 19 | 30,959 | 11,97 | | Jul. 19 | 3,672 | 52,87 |
| | Oct. 27 | 30,888 | 12,04 | | Oct. 27 | 3,726 | 52,67 |
| | Dec. 66 | 30,824 | 12,17 | | Dec. 66 | 3,774 | 52,42 |
| 1795 | Jan. 0 | 2 51 33,965 | + 3 16 26,69 | 1805 | Jan. 0 | 2 52 6,880 | + 3 19 7,05 |
| | Apr. 10 | 33,905 | 26,88 | | Apr. 10 | 6,923 | 6,73 |
| | Jul. 19 | 33,853 | 27,13 | | Jul. 19 | 6,958 | 6,36 |
| | Oct. 27 | 33,809 | 27,43 | | Oct. 27 | 6,984 | 5,93 |
| | Dec. 66 | 33,773 | 27,82 | | Dec. 66 | 7,003 | 5,45 |
| 1796 | Jan. 1 | 2 51 36,905 | + 3 16 42,25 | 1806 | Jan. 0 | 2 52 10,119 | + 3 19 20,15 |
| | Apr. 10 | 36,875 | 42,67 | | Apr. 10 | 10,131 | 19,64 |
| | Jul. 19 | 36,853 | 43,13 | | Jul. 19 | 10,135 | 19,03 |
| | Oct. 27 | 36,841 | 43,64 | | Oct. 27 | 10,129 | 18,48 |
| | Dec. 66 | 36,837 | 44,20 | | Dec. 66 | 10,115 | 17,84 |
| 1797 | Jan. 0 | 2 51 39,958 | + 3 16 58,57 | 1807 | Jan. 0 | 2 52 13,242 | + 3 19 32,59 |
| | Apr. 10 | 39,960 | 59,16 | | Apr. 10 | 13,222 | 31,93 |
| | Jul. 19 | 39,971 | 59,78 | | Jul. 19 | 13,193 | 31,25 |
| | Oct. 27 | 39,991 | 17 0,42 | | Oct. 27 | 13,156 | 30,55 |
| | Dec. 66 | 40,019 | 1,10 | | Dec. 66 | 13,110 | 29,83 |
| 1798 | Jan. 0 | 2 51 43,129 | + 3 17 15,43 | 1808 | Jan. 1 | 2 52 16,247 | + 3 19 44,60 |
| | Apr. 10 | 43,163 | 16,12 | | Apr. 10 | 16,196 | 43,87 |
| | Jul. 19 | 43,204 | 16,82 | | Jul. 19 | 16,138 | 43,15 |
| | Oct. 27 | 43,253 | 17,53 | | Oct. 27 | 16,072 | 42,42 |
| | Dec. 66 | 43,309 | 18,25 | | Dec. 66 | 15,999 | 41,70 |
| 1799 | Jan. 0 | 2 51 46,410 | + 3 17 32,57 | 1809 | Jan. 0 | 2 52 19,146 | + 3 19 56,46 |
| | Apr. 10 | 46,471 | 33,28 | | Apr. 10 | 19,069 | 55,75 |
| | Jul. 19 | 46,537 | 33,98 | | Jul. 19 | 18,988 | 55,06 |
| | Oct. 27 | 46,609 | 34,67 | | Oct. 27 | 18,902 | 54,40 |
| | Dec. 66 | 46,687 | 35,34 | | Dec. 66 | 18,811 | 53,76 |

## Tabulae X. Sect. III. *α Ceti.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,785 | — 7,2 | — 0,62 | — 7,3 | +3 | +1 |
| 10 | +0,699 | — 9,8 | — 1,33 | — 6,8 | +3 | +1 |
| 20 | +0,589 | —12,0 | — 1,98 | — 6,2 | +3 | +1 |
| 30 | +0,459 | —13,7 | — 2,56 | — 5,3 | +3 | +1 |
| Febr. 9 | +0,316 | —14,6 | — 3,04 | — 4,3 | +3 | +1 |
| 19 | +0,167 | —14,8 | — 3,42 | — 3,2 | +3 | +1 |
| Mart. 1 | +0,020 | —14,2 | — 3,68 | — 1,9 | +3 | +1 |
| 11 | —0,116 | —12,6 | — 3,80 | — 0,5 | +2 | +1 |
| 21 | —0,231 | —10,2 | — 3,77 | + 1,2 | +2 | +1 |
| 31 | —0,319 | — 7,0 | — 3,57 | + 3,0 | +2 | 0 |
| Apr. 10 | —0,371 | — 3,2 | — 3,18 | + 5,0 | +1 | 0 |
| 20 | —0,383 | + 1,0 | — 2,58 | + 7,0 | +1 | 0 |
| 30 | —0,351 | + 5,6 | — 1,78 | + 9,0 | 0 | —1 |
| Maj. 10 | —0,272 | +10,2 | — 0,78 | +11,1 | 0 | —1 |
| 20 | —0,148 | +14,6 | + 0,44 | +13,1 | —1 | —1 |
| 30 | +0,019 | +18,7 | + 1,83 | +14,7 | —1 | —2 |
| Jun. 9 | +0,226 | +22,4 | + 3,38 | +16,2 | —1 | —2 |
| 19 | +0,466 | +25,4 | + 5,05 | +17,1 | —2 | —2 |
| 29 | +0,733 | +27,8 | + 6,80 | +17,7 | —2 | —3 |
| Jul. 9 | +1,021 | +29,4 | + 8,58 | +17,8 | —2 | —3 |
| 19 | +1,321 | +30,3 | +10,35 | +17,3 | —2 | —3 |
| 29 | +1,627 | +30,6 | +12,04 | +16,4 | —2 | —3 |
| Aug. 8 | +1,932 | +29,9 | +13,62 | +15,0 | —2 | —3 |
| 18 | +2,227 | +28,8 | +15,04 | +13,2 | —2 | —3 |
| 28 | +2,510 | +27,4 | +16,25 | +11,0 | —2 | —3 |
| Sept. 7 | +2,775 | +25,5 | +17,23 | + 8,5 | —2 | —3 |
| 17 | +3,019 | +23,2 | +17,95 | + 5,9 | —1 | —3 |
| 27 | +3,238 | +20,6 | +18,41 | + 3,4 | —1 | —3 |
| Oct. 7 | +3,431 | +18,0 | +18,62 | + 0,9 | —1 | —3 |
| 17 | +3,598 | +15,3 | +18,59 | — 1,4 | 0 | —3 |
| 27 | +3,736 | +12,4 | +18,35 | — 3,4 | 0 | —3 |
| Nov. 6 | +3,845 | + 9,5 | +17,92 | — 5,0 | +1 | —3 |
| 16 | +3,925 | + 6,5 | +17,36 | — 6,3 | +2 | —3 |
| 26 | +3,975 | + 3,6 | +16,67 | — 7,2 | +2 | —3 |
| Dec. 6 | +3,996 | + 0,6 | +15,93 | — 7,6 | +3 | —2 |
| 16 | +3,986 | — 2,6 | +15,16 | — 7,7 | +3 | —2 |
| 26 | +3,945 | — 5,5 | +14,39 | — 7,5 | +3 | —2 |
| 36 | +3,876 | — 8,3 | +13,66 | — 7,1 | +4 | —2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 2 51 19,1604 | + 3 15 21,528 |
| 1791 | 51 22,2803 | 15 36,112 |
| 1792 | 51 25,4003 | 15 50,692 |
| 1793 | 51 28,5204 | 16 5,270 |
| 1794 | 51 31,6405 | 16 19,844 |
| 1795 | 51 34,7606 | 16 34,416 |
| 1796 | 51 37,8809 | 16 48,984 |
| 1797 | 51 41,0013 | 17 3,548 |
| 1798 | 51 44,1218 | 17 18,110 |
| 1799 | 51 47,2424 | 17 32,669 |
| 1800 | 51 50,3633 | 17 47,224 |
| 1801 | 51 53,4841 | 18 1,776 |
| 1802 | 51 56,6050 | 18 16,325 |
| 1803 | 51 59,7262 | 18 30,871 |
| 1804 | 52 2,8471 | 18 45,414 |
| 1805 | 52 5,9684 | 18 59,954 |
| 1806 | 52 9,0897 | 19 14,491 |
| 1807 | 52 12,2111 | 19 29,024 |
| 1808 | 52 15,3326 | 19 43,554 |
| 1809 | 52 18,4542 | 19 58,081 |
| 1810 | 52 21,5759 | 20 12,605 |

Diei reducto addendum est:

ante } Maj. 5 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 4 23 54,183 | + 16 4 15,80 | 1800 | Jan. 0 | 4 24 26,881 | + 16 5 44,48 |
| | Apr. 10 | 54,111 | 15,07 | | Apr. 10 | 26,968 | 45,07 |
| | Jul. 19 | 54,033 | 14,39 | | Jul. 19 | 27,058 | 45,60 |
| | Oct. 27 | 53,948 | 13,75 | | Oct. 27 | 27,153 | 46,08 |
| | Dec. 66 | 53,857 | 13,15 | | Dec. 66 | 27,251 | 46,50 |
| 1791 | Jan. 0 | 4 23 57,314 | + 16 4 21,34 | 1801 | Jan. 0 | 4 24 30,645 | + 16 5 54,32 |
| | Apr. 10 | 57,219 | 20,78 | | Apr. 10 | 30,745 | 54,69 |
| | Jul. 19 | 57,121 | 20,28 | | Jul. 19 | 30,846 | 55,02 |
| | Oct. 27 | 57,019 | 19,84 | | Oct. 27 | 30,949 | 55,27 |
| | Dec. 66 | 56,913 | 19,46 | | Dec. 66 | 31,052 | 55,45 |
| 1792 | Jan. 1 | 4 24 0,375 | + 16 4 27,57 | 1802 | Jan. 0 | 4 24 34,445 | + 16 6 3,34 |
| | Apr. 10 | 0,267 | 27,24 | | Apr. 10 | 34,548 | 3,48 |
| | Jul. 19 | 0,160 | 26,98 | | Jul. 19 | 34,649 | 3,55 |
| | Oct. 27 | 0,052 | 26,80 | | Oct. 27 | 34,748 | 3,55 |
| | Dec. 66 | 23 59,945 | 26,69 | | Dec. 66 | 34,846 | 3,48 |
| 1793 | Jan. 0 | 4 24 3,407 | + 16 4 34,70 | 1803 | Jan. 0 | 4 24 38,241 | + 16 6 11,45 |
| | Apr. 10 | 3,300 | 34,64 | | Apr. 10 | 38,336 | 11,33 |
| | Jul. 19 | 3,197 | 34,66 | | Jul. 19 | 38,427 | 11,14 |
| | Oct. 27 | 3,097 | 34,75 | | Oct. 27 | 38,513 | 10,88 |
| | Dec. 66 | 3,001 | 34,92 | | Dec. 66 | 38,594 | 10,56 |
| 1794 | Jan. 0 | 4 24 6,459 | + 16 4 42,83 | 1804 | Jan. 1 | 4 24 41,995 | + 16 6 18,61 |
| | Apr. 10 | 6,366 | 43,05 | | Apr. 10 | 42,072 | 18,24 |
| | Jul. 19 | 6,279 | 43,34 | | Jul. 19 | 42,142 | 17,82 |
| | Oct. 27 | 6,199 | 43,70 | | Oct. 27 | 42,305 | 17,33 |
| | Dec. 66 | 6,125 | 44,12 | | Dec. 66 | 42,261 | 16,79 |
| 1795 | Jan. 0 | 4 24 9,575 | + 16 4 51,94 | 1805 | Jan. 0 | 4 24 45,671 | + 16 6 24,91 |
| | Apr. 10 | 9,506 | 52,41 | | Apr. 10 | 45,721 | 24,34 |
| | Jul. 19 | 9,446 | 52,93 | | Jul. 19 | 45,763 | 23,71 |
| | Oct. 27 | 9,495 | 53,50 | | Oct. 27 | 45,796 | 23,01 |
| | Dec. 66 | 9,352 | 54,13 | | Dec. 66 | 45,820 | 22,25 |
| 1796 | Jan. 1 | 4 24 12,792 | + 16 5 1,89 | 1806 | Jan. 0 | 4 24 49,240 | + 16 6 30,42 |
| | Apr. 10 | 12,755 | 2,55 | | Apr. 10 | 49,258 | 29,74 |
| | Jul. 19 | 12,728 | 3,24 | | Jul. 19 | 49,266 | 29,02 |
| | Oct. 27 | 12,710 | 3,96 | | Oct. 27 | 49,264 | 28,26 |
| | Dec. 66 | 12,702 | 4,72 | | Dec. 66 | 49,252 | 27,45 |
| 1797 | Jan. 0 | 4 24 16,130 | + 16 5 12,43 | 1807 | Jan. 0 | 4 24 52,685 | + 16 6 35,64 |
| | Apr. 10 | 16,129 | 13,20 | | Apr. 10 | 52,666 | 34,84 |
| | Jul. 19 | 16,137 | 13,98 | | Jul. 19 | 52,638 | 34,04 |
| | Oct. 27 | 16,155 | 14,77 | | Oct. 27 | 52,601 | 33,24 |
| | Dec. 66 | 16,182 | 15,56 | | Dec. 66 | 52,554 | 32,45 |
| 1798 | Jan. 0 | 4 24 19,598 | + 16 5 23,25 | 1808 | Jan. 1 | 4 24 55,999 | + 16 6 40,63 |
| | Apr. 10 | 19,632 | 24,04 | | Apr. 10 | 55,946 | 39,85 |
| | Jul. 19 | 19,674 | 24,82 | | Jul. 19 | 55,885 | 39,09 |
| | Oct. 27 | 19,724 | 25,59 | | Oct. 27 | 55,816 | 38,37 |
| | Dec. 66 | 19,782 | 26,34 | | Dec. 66 | 55,739 | 37,67 |
| 1799 | Jan. 0 | 4 24 23,189 | + 16 5 34,04 | 1809 | Jan. 0 | 4 24 59,193 | + 16 6 45,81 |
| | Apr. 10 | 23,252 | 34,77 | | Apr. 10 | 59,111 | 45,14 |
| | Jul. 19 | 23,322 | 35,46 | | Jul. 19 | 59,024 | 44,52 |
| | Oct. 27 | 23,399 | 36,12 | | Oct. 27 | 58,931 | 43,96 |
| | Dec. 66 | 23,482 | 36,74 | | Dec. 66 | 58,832 | 43,44 |

## Tabulae X. Sect. III. *a Tauri.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | ° | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,210 | − 0,5 | + 1,30 | − 2,5 | +2 | −1 | 1790 | 4 23 53,2888 | + 16 4 19,399 |
| 10 | +1,184 | − 4,6 | + 1,05 | − 2,5 | +2 | −1 | 1791 | 23 56,7148 | 4 27,391 |
| 20 | +1,119 | − 8,4 | + 0,80 | − 2,5 | +3 | −1 | 1792 | 24 0,1409 | 4 35,378 |
| 30 | +1,017 | −11,8 | + 0,55 | − 2,6 | +3 | 0 | 1793 | 24 3,5672 | 4 43,361 |
| Febr. 9 | +0,884 | −14,5 | + 0,29 | − 2,6 | +3 | 0 | 1794 | 24 6,9936 | 4 51,339 |
| | | | | | | | 1795 | 24 10,4201 | 4 59,312 |
| 19 | +0,728 | −16,3 | + 0,03 | − 2,7 | +3 | 0 | 1796 | 24 13,8467 | 5 7,281 |
| Mart. 1 | +0,558 | −17,1 | − 0,25 | − 2,8 | +4 | 0 | 1797 | 24 17,2734 | 5 15,245 |
| 11 | +0,385 | −17,0 | − 0,52 | − 2,7 | +3 | 0 | 1798 | 24 20,7002 | 5 23,205 |
| 21 | +0,218 | −15,8 | − 0,78 | − 2,5 | +3 | 0 | 1799 | 24 24,1271 | 5 31,160 |
| 31 | +0,069 | −13,6 | − 1,02 | − 2,1 | +3 | 0 | 1800 | 24 27,5541 | 5 39,111 |
| | | | | | | | 1801 | 24 30,9812 | 5 47,057 |
| Apr. 10 | −0,054 | −10,5 | − 1,19 | − 1,4 | +3 | 0 | 1802 | 24 34,4084 | 5 54,998 |
| 20 | −0,141 | − 6,7 | − 1,30 | − 0,6 | +2 | 0 | 1803 | 24 37,8357 | 6 2,935 |
| 30 | −0,188 | − 2,4 | − 1,30 | + 0,6 | +2 | 0 | 1804 | 24 41,2632 | 6 10,867 |
| Maj. 10 | −0,188 | + 2,3 | − 1,19 | + 1,8 | +1 | 0 | 1805 | 24 44,6908 | 6 18,795 |
| 20 | −0,142 | + 7,0 | − 0,94 | + 3,3 | +1 | 0 | 1806 | 24 48,1185 | 6 26,718 |
| | | | | | | | 1807 | 24 51,5463 | 6 34,636 |
| 30 | −0,049 | +11,6 | − 0,54 | + 4,8 | 0 | 0 | 1808 | 24 54,9742 | 6 42,550 |
| Jun. 9 | +0,089 | +15,9 | + 0,01 | + 6,2 | 0 | −1 | 1809 | 24 58,4022 | 6 50,459 |
| 19 | +0,269 | +19,8 | + 0,69 | + 7,5 | −1 | −1 | 1810 | 25 1,8303 | 6 58,364 |
| 29 | +0,485 | +23,2 | + 1,51 | + 8,7 | −1 | −1 | | | |
| Jul. 9 | +0,732 | +26,0 | + 2,42 | + 9,6 | −2 | −2 | | | |
| 19 | +1,004 | +28,1 | + 3,42 | +10,2 | −2 | −2 | | | |
| 29 | +1,293 | +29,5 | + 4,45 | +10,3 | −2 | −3 | | | |
| Aug. 8 | +1,594 | +30,5 | + 5,48 | +10,2 | −2 | −3 | | | |
| 18 | +1,902 | +30,8 | + 6,48 | + 9,7 | −2 | −3 | | | |
| 28 | +2,209 | +30,6 | + 7,41 | + 8,8 | −2 | −4 | | | |
| Sept. 7 | +2,513 | +30,0 | + 8,24 | + 7,7 | −2 | −4 | | | |
| 17 | +2,809 | +29,0 | + 8,94 | + 6,3 | −2 | −4 | | | |
| 27 | +3,093 | +27,7 | + 9,50 | + 4,9 | −2 | −5 | | | |
| Oct. 7 | +3,363 | +26,1 | + 9,91 | + 3,4 | −2 | −5 | | | |
| 17 | +3,615 | +24,3 | +10,18 | + 2,0 | −1 | −5 | | | |
| 27 | +3,848 | +22,1 | +10,31 | + 0,7 | −1 | −5 | | | |
| Nov. 6 | +4,057 | +19,6 | +10,32 | − 0,4 | 0 | −5 | | | |
| 16 | +4,239 | +16,7 | +10,24 | − 1,2 | 0 | −5 | | | |
| 26 | +4,391 | +13,6 | +10,08 | − 1,8 | +1 | −6 | | | |
| Dec. 6 | +4,510 | +10,0 | + 9,88 | − 2,2 | +2 | −6 | | | |
| 16 | +4,591 | + 6,1 | + 9,65 | − 2,4 | +2 | −6 | | | |
| 26 | +4,632 | + 2,1 | + 9,40 | − 2,5 | +3 | −5 | | | |
| 36 | +4,632 | − 2,0 | + 9,15 | − 2,5 | +3 | −5 | | | |

Diei reducto addendum est:

ante } Maj. 29 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Aurigae.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 5h 1′ 13″,342 | +45° 45′ 47″,24 | 1800 | Jan. 0 | 5h 1′ 55″,313 | +45° 46′ 44″,61 |
| | Apr. 10 | 13,254 | 46,55 | | Apr. 10 | 55,422 | 45,14 |
| | Jul. 19 | 13,157 | 45,91 | | Jul. 19 | 55,536 | 45,61 |
| | Oct. 27 | 13,052 | 45,33 | | Oct. 27 | 55,655 | 46,01 |
| | Dec. 66 | 12,938 | 44,79 | | Dec. 66 | 55,780 | 46,36 |
| 1791 | Jan. 0 | 5 1 17,384 | +45 45 49,63 | 1801 | Jan. 0 | 5 2 0,147 | +45 46 50,85 |
| | Apr. 10 | 17,265 | 49,14 | | Apr. 10 | 0,275 | 51,15 |
| | Jul. 19 | 17,140 | 48,71 | | Jul. 19 | 0,404 | 51,38 |
| | Oct. 27 | 17,011 | 48,36 | | Oct. 27 | 0,536 | 51,54 |
| | Dec. 66 | 16,876 | 48,07 | | Dec. 66 | 0,669 | 51,63 |
| 1792 | Jan. 1 | 5 1 21,329 | +45 45 52,81 | 1802 | Jan. 0 | 5 2 5,034 | +45 46 56,20 |
| | Apr. 10 | 21,192 | 52,57 | | Apr. 10 | 5,167 | 56,24 |
| | Jul. 19 | 21,054 | 52,41 | | Jul. 19 | 5,299 | 56,21 |
| | Oct. 27 | 20,915 | 52,33 | | Oct. 27 | 5,428 | 56,11 |
| | Dec. 66 | 20,776 | 52,32 | | Dec. 66 | 5,556 | 55,94 |
| 1793 | Jan. 0 | 5 1 25,230 | +45 45 56,97 | 1803 | Jan. 0 | 5 2 9,923 | +45 47 0,59 |
| | Apr. 10 | 25,092 | 57,02 | | Apr. 10 | 10,048 | 0,37 |
| | Jul. 19 | 24,957 | 57,14 | | Jul. 19 | 10,168 | 0,08 |
| | Oct. 27 | 24,826 | 57,34 | | Oct. 27 | 10,282 | 46 59,72 |
| | Dec. 66 | 24,698 | 57,61 | | Dec. 66 | 10,390 | 59,30 |
| 1794 | Jan. 0 | 5 1 29,150 | +45 46 2,16 | 1804 | Jan. 1 | 5 2 14,765 | +45 47 4,03 |
| | Apr. 10 | 29,027 | 2,48 | | Apr. 10 | 14,868 | 3,57 |
| | Jul. 19 | 28,911 | 2,87 | | Jul. 19 | 14,963 | 3,05 |
| | Oct. 27 | 28,804 | 3,33 | | Oct. 27 | 15,049 | 2,48 |
| | Dec. 66 | 28,704 | 3,85 | | Dec. 66 | 15,126 | 1,85 |
| 1795 | Jan. 0 | 5 1 33,145 | +45 46 8,31 | 1805 | Jan. 0 | 5 2 19,511 | +45 47 6,64 |
| | Apr. 10 | 33,052 | 8,86 | | Apr. 10 | 19,581 | 5,98 |
| | Jul. 19 | 32,969 | 9,48 | | Jul. 19 | 19,640 | 5,28 |
| | Oct. 27 | 32,897 | 10,13 | | Oct. 27 | 19,688 | 4,55 |
| | Dec. 66 | 32,836 | 10,84 | | Dec. 66 | 19,724 | 3,79 |
| 1796 | Jan. 1 | 5 1 37,264 | +45 46 15,23 | 1806 | Jan. 0 | 5 2 24,124 | +45 47 8,62 |
| | Apr. 10 | 37,211 | 15,96 | | Apr. 10 | 24,152 | 7,84 |
| | Jul. 19 | 37,170 | 16,71 | | Jul. 19 | 24,168 | 7,04 |
| | Oct. 27 | 37,141 | 17,49 | | Oct. 27 | 24,171 | 6,23 |
| | Dec. 66 | 37,125 | 18,29 | | Dec. 66 | 24,162 | 5,41 |
| 1797 | Jan. 0 | 5 1 41,537 | +45 46 22,65 | 1807 | Jan. 0 | 5 2 28,577 | +45 47 10,24 |
| | Apr. 10 | 41,529 | 23,46 | | Apr. 10 | 28,559 | 9,42 |
| | Jul. 19 | 41,534 | 24,27 | | Jul. 19 | 28,529 | 8,61 |
| | Oct. 27 | 41,553 | 25,08 | | Oct. 27 | 28,486 | 7,81 |
| | Dec. 66 | 41,584 | 25,88 | | Dec. 66 | 28,431 | 7,03 |
| 1798 | Jan. 0 | 5 1 45,978 | +45 46 30,23 | 1808 | Jan. 1 | 5 2 32,862 | +45 47 11,85 |
| | Apr. 10 | 46,015 | 31,03 | | Apr. 10 | 32,799 | 11,09 |
| | Jul. 19 | 46,063 | 31,81 | | Jul. 19 | 32,725 | 10,36 |
| | Oct. 27 | 46,122 | 32,56 | | Oct. 27 | 32,641 | 9,67 |
| | Dec. 66 | 46,193 | 33,28 | | Dec. 66 | 32,546 | 9,01 |
| 1799 | Jan. 0 | 5 1 50,577 | +45 46 37,66 | 1809 | Jan. 0 | 5 2 36,990 | +45 47 13,78 |
| | Apr. 10 | 50,655 | 38,36 | | Apr. 10 | 36,888 | 13,16 |
| | Jul. 19 | 50,741 | 39,01 | | Jul. 19 | 36,779 | 12,60 |
| | Oct. 27 | 50,836 | 39,62 | | Oct. 27 | 36,662 | 12,10 |
| | Dec. 66 | 50,940 | 40,19 | | Dec. 66 | 36,537 | 11,66 |

## Tabulae X. Sect. III. *α Aurigae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| Jan. 0 | +1″,816 | + 2,6 | +4″,28 | +14,0 | +3 | − 4 |
| 10 | +1,811 | − 3,5 | +5,63 | +12,8 | +4 | − 4 |
| 20 | +1,746 | − 9,4 | +6,84 | +11,1 | +5 | − 4 |
| 30 | +1,624 | −14,7 | +7,85 | + 9,0 | +5 | − 3 |
| Febr. 9 | +1,452 | −19,3 | +8,63 | + 6,4 | +6 | − 3 |
| 19 | +1,241 | −22,5 | +9,13 | + 3,5 | +6 | − 2 |
| Mart. 1 | +1,003 | −24,5 | +9,33 | + 0,5 | +6 | − 1 |
| 11 | +0,752 | −25,1 | +9,23 | − 2,6 | +6 | 0 |
| 21 | +0,502 | −24,2 | +8,82 | − 5,5 | +6 | 0 |
| 31 | +0,269 | −21,8 | +8,14 | − 8,0 | +6 | + 1 |
| Apr. 10 | +0,066 | −18,4 | +7,22 | −10,2 | +5 | + 1 |
| 20 | −0,095 | −13,6 | +6,10 | −12,0 | +4 | + 2 |
| 30 | −0,206 | − 8,2 | +4,83 | −13,1 | +4 | + 2 |
| Maj. 10 | −0,259 | − 2,2 | +3,48 | −13,7 | +3 | + 2 |
| 20 | −0,250 | + 4,0 | +2,10 | −13,7 | +2 | + 2 |
| 30 | −0,180 | +10,2 | +0,74 | −13,2 | +1 | + 2 |
| Jun. 9 | −0,047 | +16,1 | −0,53 | −12,2 | 0 | + 2 |
| 19 | +0,142 | +21,6 | −1,70 | −10,8 | −1 | + 2 |
| 29 | +0,384 | +26,5 | −2,69 | − 9,1 | −2 | + 1 |
| Jul. 9 | +0,672 | +30,7 | −3,52 | − 7,3 | −2 | 0 |
| 19 | +0,998 | +34,2 | −4,15 | − 5,3 | −3 | 0 |
| 29 | +1,355 | +36,9 | −4,58 | − 3,3 | −3 | − 1 |
| Aug. 8 | +1,736 | +38,9 | −4,81 | − 1,3 | −4 | − 2 |
| 18 | +2,133 | +40,2 | −4,83 | + 0,7 | −4 | − 3 |
| 28 | +2,540 | +40,9 | −4,67 | + 2,6 | −4 | − 4 |
| Sept. 7 | +2,951 | +41,1 | −4,32 | + 4,3 | −4 | − 5 |
| 17 | +3,360 | +40,7 | −3,81 | + 5,9 | −4 | − 5 |
| 27 | +3,762 | +39,6 | −3,14 | + 7,5 | −4 | − 6 |
| Oct. 7 | +4,152 | +38,2 | −2,32 | + 8,9 | −3 | − 7 |
| 17 | +4,526 | +36,3 | −1,37 | +10,2 | −3 | − 8 |
| 27 | +4,878 | +33,9 | −0,28 | +11,4 | −2 | − 9 |
| Nov. 6 | +5,203 | +30,8 | +0,91 | +12,5 | −1 | − 9 |
| 16 | +5,494 | +27,2 | +2,22 | +13,5 | 0 | −10 |
| 26 | +5,746 | +22,8 | +3,60 | +14,2 | +1 | −10 |
| Dec. 6 | +5,950 | +17,9 | +5,05 | +14,7 | +2 | −11 |
| 16 | +6,103 | +12,4 | +6,53 | +14,8 | +3 | −11 |
| 26 | +6,197 | + 6,4 | +8,00 | +14,4 | +4 | −11 |
| 36 | +6,231 | + 0,3 | +9,41 | +13,6 | +5 | −10 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 5 1 12,1478 | +45 45 51,930 |
| 1791 | 1 16,5554 | 45 56,593 |
| 1792 | 1 20,9632 | 46 1,250 |
| 1793 | 1 25,3712 | 46 5,901 |
| 1794 | 1 29,7793 | 46 10,546 |
| 1795 | 1 34,1876 | 46 15,184 |
| 1796 | 1 38,5961 | 46 19,816 |
| 1797 | 1 43,0048 | 46 24,442 |
| 1798 | 1 47,4137 | 46 29,061 |
| 1799 | 1 51,8228 | 46 33,675 |
| 1800 | 1 56,2320 | 46 38,282 |
| 1801 | 2 0,6414 | 46 42,883 |
| 1802 | 2 5,0510 | 46 47,478 |
| 1803 | 2 9,4608 | 46 52,066 |
| 1804 | 2 13,8708 | 46 56,649 |
| 1805 | 2 18,2810 | 47 1,225 |
| 1806 | 2 22,6914 | 47 5,795 |
| 1807 | 2 27,1019 | 47 10,358 |
| 1808 | 2 31.5126 | 47 14,916 |
| 1809 | 2 35,9235 | 47 19,467 |
| 1810 | 2 40,3346 | 47 24,012 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Orionis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 5h 4′ 27″,806 | — 8° 27′ 30″,70 | 1800 | Jan. 0 | 5h 4′ 55″,382 | — 8° 26′ 31″,87 |
| | Apr. 10 | 27,740 | 31,39 | | Apr. 10 | 55,458 | 31,35 |
| | Jul. 19 | 27,670 | 32,02 | | Jul. 19 | 55,537 | 30,89 |
| | Oct. 27 | 27,595 | 32,60 | | Oct. 27 | 55,619 | 30,49 |
| | Dec. 66 | 27,516 | 33,12 | | Dec. 66 | 55,704 | 30,15 |
| 1791 | Jan. 0 | 5 4 30,419 | — 8 27 28,17 | 1801 | Jan. 0 | 5 4 58,553 | — 8 26 25,52 |
| | Apr. 10 | 30,336 | 28,65 | | Apr. 10 | 58,639 | 25,22 |
| | Jul. 19 | 30,250 | 29,07 | | Jul. 19 | 58,724 | 25,00 |
| | Oct. 27 | 30,162 | 29,42 | | Oct. 27 | 58,811 | 24,85 |
| | Dec. 66 | 30,072 | 29,70 | | Dec. 66 | 58,897 | 24,77 |
| 1792 | Jan. 1 | 5 4 32,979 | — 8 27 24,84 | 1802 | Jan. 0 | 5 5 1,746 | — 8 26 20,05 |
| | Apr. 10 | 32,888 | 25,07 | | Apr. 10 | 1,832 | 20,01 |
| | Jul. 19 | 32,798 | 25,22 | | Jul. 19 | 1,915 | 20,05 |
| | Oct. 27 | 32,708 | 25,29 | | Oct. 27 | 1,996 | 20,16 |
| | Dec. 66 | 32,619 | 25,29 | | Dec. 66 | 2,075 | 20,35 |
| 1793 | Jan. 0 | 5 4 35,526 | — 8 27 20,53 | 1803 | Jan. 0 | 5 5 4,927 | — 8 26 15,55 |
| | Apr. 10 | 35,438 | 20,48 | | Apr. 10 | 5,004 | 15,78 |
| | Jul. 19 | 35,354 | 20,34 | | Jul. 19 | 5,076 | 16,07 |
| | Oct. 27 | 35,273 | 20,13 | | Oct. 27 | 5,144 | 16,44 |
| | Dec. 66 | 35,195 | 19,85 | | Dec. 66 | 5,208 | 16,87 |
| 1794 | Jan. 0 | 5 4 38,098 | — 8 27 15,18 | 1804 | Jan. 1 | 5 5 8,065 | — 8 26 11,99 |
| | Apr. 10 | 38,024 | 14,85 | | Apr. 10 | 8,125 | 12,46 |
| | Jul. 19 | 37,956 | 14,45 | | Jul. 19 | 8,178 | 12,98 |
| | Oct. 27 | 37,894 | 13,99 | | Oct. 27 | 8,225 | 13,56 |
| | Dec. 66 | 37,837 | 13,46 | | Dec. 66 | 8,265 | 14,19 |
| 1795 | Jan. 0 | 5 4 40,733 | — 8 27 8,87 | 1805 | Jan. 0 | 5 5 11,130 | — 8 26 9,25 |
| | Apr. 10 | 40,681 | 8,30 | | Apr. 10 | 11,166 | 9,91 |
| | Jul. 19 | 40,637 | 7,69 | | Jul. 19 | 11,194 | 10,61 |
| | Oct. 27 | 40,600 | 7,03 | | Oct. 27 | 11,214 | 11,37 |
| | Dec. 66 | 40,571 | 6,32 | | Dec. 66 | 11,227 | 12,17 |
| 1796 | Jan. 1 | 5 4 43,457 | — 8 27 1,80 | 1806 | Jan. 0 | 5 5 14,101 | — 8 26 7,19 |
| | Apr. 10 | 43,433 | 1,07 | | Apr. 10 | 14,109 | 7,94 |
| | Jul. 19 | 43,417 | 0,31 | | Jul. 19 | 14,108 | 8,72 |
| | Oct. 27 | 43,410 | 26 59,53 | | Oct. 27 | 14,099 | 9,53 |
| | Dec. 66 | 43,410 | 58,72 | | Dec. 66 | 14,082 | 10,36 |
| 1797 | Jan. 0 | 5 4 46,287 | — 8 26 54,23 | 1807 | Jan. 0 | 5 5 16,966 | — 8 26 5,36 |
| | Apr. 10 | 46,293 | 53,42 | | Apr. 10 | 16,943 | 6,19 |
| | Jul. 19 | 46,307 | 52,61 | | Jul. 19 | 16,913 | 7,00 |
| | Oct. 27 | 46,329 | 51,80 | | Oct. 27 | 16,875 | 7,79 |
| | Dec. 66 | 46,359 | 50,99 | | Dec. 66 | 16,829 | 8,57 |
| 1798 | Jan. 0 | 5 4 49,225 | — 8 26 46,51 | 1808 | Jan. 1 | 5 5 19,723 | — 8 26 3,60 |
| | Apr. 10 | 49,260 | 45,71 | | Apr. 10 | 19,672 | 4,36 |
| | Jul. 19 | 49,302 | 44,94 | | Jul. 19 | 19,615 | 5,09 |
| | Oct. 27 | 49,350 | 44,19 | | Oct. 27 | 19,552 | 5,78 |
| | Dec. 66 | 49,405 | 43,46 | | Dec. 66 | 19,482 | 6,42 |
| 1799 | Jan. 0 | 5 4 52,264 | — 8 26 38,95 | 1809 | Jan. 0 | 5 5 22,383 | — 8 26 1,50 |
| | Apr. 10 | 52,323 | 38,25 | | Apr. 10 | 22,310 | 2,12 |
| | Jul. 19 | 52,387 | 37,60 | | Jul. 19 | 22,233 | 2,67 |
| | Oct. 27 | 52,456 | 37,00 | | Oct. 27 | 22,151 | 3,17 |
| | Dec. 66 | 52,529 | 36,44 | | Dec. 66 | 22,066 | 3,61 |

## Tabulae X. Sect. III. *β Orionis.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,278 | + 1,4 | − 2,94 | −16,0 | +1 | +1 |
| 10 | +1,271 | − 2,9 | − 4,47 | −14,4 | +2 | +1 |
| 20 | +1,221 | − 6,9 | − 5,82 | −12,4 | +2 | +1 |
| 30 | +1,133 | −10,6 | − 6,95 | −10,2 | +2 | 0 |
| Febr. 9 | +1,009 | −13,7 | − 7,86 | − 7,9 | +3 | 0 |
| 19 | +0,859 | −16,1 | − 8,53 | − 5,5 | +3 | 0 |
| Mart. 1 | +0,688 | −17,6 | − 8,95 | − 3,0 | +3 | 0 |
| 11 | +0,508 | −18,0 | − 9,12 | − 0,5 | +3 | 0 |
| 21 | +0,328 | −17,5 | − 9,04 | + 2,1 | +3 | −1 |
| 31 | +0,158 | −16,0 | − 8,70 | + 4,6 | +3 | −1 |
| Apr. 10 | +0,008 | −13,7 | − 8,13 | + 7,0 | +2 | −1 |
| 20 | −0,115 | −10,6 | − 7,31 | + 9,4 | +2 | −1 |
| 30 | −0,204 | − 6,9 | − 6,26 | +11,6 | +2 | −1 |
| Maj. 10 | −0,252 | − 2,8 | − 5,00 | +13,7 | +1 | −2 |
| 20 | −0,259 | + 1,6 | − 3,53 | +15,5 | +1 | −2 |
| 30 | −0,221 | + 6,0 | − 1,90 | +17,1 | +1 | −2 |
| Jun. 9 | −0,140 | +10,2 | − 0,12 | +18,4 | 0 | −2 |
| 19 | −0,018 | +14,1 | + 1,77 | +19,1 | 0 | −3 |
| 29 | +0,142 | +17,7 | + 3,70 | +19,4 | −1 | −3 |
| Jul. 9 | +0,335 | +20,8 | + 5,65 | +19,2 | −1 | −3 |
| 19 | +0,557 | +23,4 | + 7,54 | +18,4 | −1 | −3 |
| 29 | +0,802 | +25,4 | + 9,32 | +16,9 | −2 | −3 |
| Aug. 8 | +1,065 | +27,0 | +10,92 | +14,9 | −2 | −3 |
| 18 | +1,341 | +28,0 | +12,30 | +12,4 | −2 | −3 |
| 28 | +1,624 | +28,5 | +13,39 | + 9,3 | −2 | −3 |
| Sept. 7 | +1,910 | +28,6 | +14,16 | + 5,9 | −2 | −3 |
| 17 | +2,196 | +28,3 | +14,57 | + 2,6 | −2 | −3 |
| 27 | +2,475 | +27,6 | +14,61 | − 1,5 | −2 | −3 |
| Oct. 7 | +2,747 | +26,6 | +14,28 | − 5,1 | −2 | −3 |
| 17 | +3,006 | +25,1 | +13,59 | − 8,5 | −2 | −3 |
| 27 | +3,248 | +23,3 | +12,58 | −11,6 | −1 | −3 |
| Nov. 6 | +3,471 | +21,1 | +11,28 | −14,1 | −1 | −3 |
| 16 | +3,670 | +18,5 | + 9,76 | −16,0 | −1 | −3 |
| 26 | +3,840 | +15,4 | + 8,09 | −17,2 | 0 | −3 |
| Dec. 6 | +3,977 | +11,9 | + 6,33 | −17,7 | 0 | −3 |
| 16 | +4,078 | + 8,1 | + 4,55 | −17,5 | +1 | −3 |
| 26 | +4,139 | + 4,0 | + 2,83 | −16,7 | +1 | −3 |
| 36 | +4,158 | − 0,2 | + 1,21 | −15,5 | +2 | −3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 5 4 27,1091 | − 8 27 25,915 |
| 1791 | 4 29,9861 | 27 21,132 |
| 1792 | 4 32,8632 | 27 16,353 |
| 1793 | 4 35,7403 | 27 11,578 |
| 1794 | 4 38,6175 | 27 6,807 |
| 1795 | 4 41,4947 | 27 2,042 |
| 1796 | 4 44,3720 | 26 57,280 |
| 1797 | 4 47,2493 | 26 52,522 |
| 1798 | 4 50,1266 | 26 47,768 |
| 1799 | 4 53,0040 | 26 43,018 |
| 1800 | 4 55,8814 | 26 38,272 |
| 1801 | 4 58,7589 | 26 33,530 |
| 1802 | 5 1,6364 | 26 28,792 |
| 1803 | 5 4,5140 | 26 24,059 |
| 1804 | 5 7,3916 | 26 19,330 |
| 1805 | 5 10,2692 | 26 14,605 |
| 1806 | 5 13,1469 | 26 9,884 |
| 1807 | 5 16,0246 | 26 5,167 |
| 1808 | 5 18,9024 | 26 0,454 |
| 1809 | 5 21,7802 | 25 55,745 |
| 1810 | 5 24,6580 | 25 51,040 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Tauri.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 5 13 2,662 | +28 24 41,59 | 1800 | Jan. 0 | 5 13 38,780 | +28 25 31,67 |
| | Apr. 10 | 2,582 | 40,92 | | Apr. 10 | 38,876 | 32,18 |
| | Jul. 19 | 2,495 | 40,30 | | Jul. 19 | 38,977 | 32,62 |
| | Oct. 27 | 2,401 | 39,73 | | Oct. 27 | 39,081 | 33,00 |
| | Dec. 66 | 2,300 | 39,22 | | Dec. 66 | 39,190 | 33,32 |
| 1791 | Jan. 0 | 5 13 6,117 | +28 24 43,26 | 1801 | Jan. 0 | 5 13 42,937 | +28 25 37,04 |
| | Apr. 10 | 6,011 | 42,79 | | Apr. 10 | 43,048 | 37,31 |
| | Jul. 19 | 5,902 | 42,39 | | Jul. 19 | 43,160 | 37,51 |
| | Oct. 27 | 5,788 | 42,06 | | Oct. 27 | 43,273 | 37,63 |
| | Dec. 66 | 5,672 | 41,80 | | Dec. 66 | 43,387 | 37,67 |
| 1792 | Jan. 1 | 5 13 9,494 | +28 24 45,75 | 1802 | Jan. 0 | 5 13 47,132 | +28 25 41,47 |
| | Apr. 10 | 9,376 | 45,54 | | Apr. 10 | 47,246 | 41,50 |
| | Jul. 19 | 9,257 | 45,41 | | Jul. 19 | 47,357 | 41,45 |
| | Oct. 27 | 9,139 | 45,36 | | Oct. 27 | 47,467 | 41,32 |
| | Dec. 66 | 9,020 | 45,39 | | Dec. 66 | 47,574 | 41,11 |
| 1793 | Jan. 0 | 5 13 12,842 | +28 24 49,23 | 1803 | Jan. 0 | 5 13 51,322 | +28 25 44,99 |
| | Apr. 10 | 12,725 | 49,31 | | Apr. 10 | 51,427 | 44,74 |
| | Jul. 19 | 12,612 | 49,47 | | Jul. 19 | 51,526 | 44,42 |
| | Oct. 27 | 12,502 | 49,71 | | Oct. 27 | 51,621 | 44,03 |
| | Dec. 66 | 12,396 | 50,01 | | Dec. 66 | 51,710 | 43,58 |
| 1794 | Jan. 0 | 5 13 16,214 | +28 24 53,75 | 1804 | Jan. 1 | 5 13 55,464 | +28 25 47,54 |
| | Apr. 10 | 16,111 | 54,11 | | Apr. 10 | 55,549 | 47,05 |
| | Jul. 19 | 16,016 | 54,53 | | Jul. 19 | 55,625 | 46,51 |
| | Oct. 27 | 15,928 | 55,01 | | Oct. 27 | 55,694 | 45,91 |
| | Dec. 66 | 15,848 | 55,56 | | Dec. 66 | 55,755 | 45,26 |
| 1795 | Jan. 0 | 5 13 19,657 | +28 24 59,22 | 1805 | Jan. 0 | 5 13 59,519 | +28 25 49,28 |
| | Apr. 10 | 19,582 | 59,81 | | Apr. 10 | 59,574 | 48,60 |
| | Jul. 19 | 19,517 | 25 0,44 | | Jul. 19 | 59,619 | 47,88 |
| | Oct. 27 | 19,461 | 1,12 | | Oct. 27 | 59,654 | 47,13 |
| | Dec. 66 | 19,414 | 1,85 | | Dec. 66 | 59,679 | 46,35 |
| 1796 | Jan. 1 | 5 13 23,211 | +28 25 5,44 | 1806 | Jan. 0 | 5 14 3,456 | +28 25 50,41 |
| | Apr. 10 | 23,172 | 6,19 | | Apr. 10 | 3,474 | 49,61 |
| | Jul. 19 | 23,143 | 6,96 | | Jul. 19 | 3,481 | 48,81 |
| | Oct. 27 | 23,125 | 7,75 | | Oct. 27 | 3,478 | 47,99 |
| | Dec. 66 | 23,117 | 8,56 | | Dec. 66 | 3,464 | 47,17 |
| 1797 | Jan. 0 | 5 13 26,901 | +28 25 12,13 | 1807 | Jan. 0 | 5 14 7,254 | +28 25 51,23 |
| | Apr. 10 | 26,901 | 12,95 | | Apr. 10 | 7,232 | 50,40 |
| | Jul. 19 | 26,911 | 13,76 | | Jul. 19 | 7,200 | 49,59 |
| | Oct. 27 | 26,931 | 14,57 | | Oct. 27 | 7,158 | 48,80 |
| | Dec. 66 | 26,962 | 15,38 | | Dec. 66 | 7,105 | 48,03 |
| 1798 | Jan. 0 | 5 13 30,734 | +28 25 18,95 | 1808 | Jan. 1 | 5 14 10,908 | +28 25 52,06 |
| | Apr. 10 | 30,772 | 19,74 | | Apr. 10 | 10,849 | 51,30 |
| | Jul. 19 | 30,819 | 20,51 | | Jul. 19 | 10,781 | 50,59 |
| | Oct. 27 | 30,875 | 21,25 | | Oct. 27 | 10,704 | 49,91 |
| | Dec. 66 | 30,941 | 21,97 | | Dec. 66 | 10,618 | 49,28 |
| 1799 | Jan. 0 | 5 13 34,701 | +28 25 25,56 | 1809 | Jan. 0 | 5 14 14,432 | +28 25 53,26 |
| | Apr. 10 | 34,772 | 26,25 | | Apr. 10 | 14,341 | 52,66 |
| | Jul. 19 | 34,850 | 26,89 | | Jul. 19 | 14,244 | 52,12 |
| | Oct. 27 | 34,936 | 27,48 | | Oct. 27 | 14,141 | 51,64 |
| | Dec. 66 | 35,029 | 28,03 | | Dec. 66 | 14,031 | 51,23 |

## Tabulae X. Sect. III. β *Tauri.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,467 | + 4,3 | +1,66 | +4,2 | +1 | −2 | 1790 | 5 13 1,6828 | +28 24 46,604 |
| 10 | +1,485 | − 0,7 | +2,08 | +4,1 | +2 | −2 | 1791 | 13 5,4654 | 24 50,475 |
| 20 | +1,454 | − 5,5 | +2,47 | +3,6 | +3 | −2 | 1792 | 13 9,2481 | 24 54,341 |
| 30 | +1,376 | −10,0 | +2,80 | +3,0 | +3 | −2 | 1793 | 13 13,0309 | 24 58,202 |
| Febr. 9 | +1,255 | −13,8 | +3,06 | +2,1 | +4 | −2 | 1794 | 13 16,8138 | 25 2,057 |
| | | | | | | | 1795 | 13 20,5969 | 25 5,908 |
| 19 | +1,100 | −16,7 | +3,22 | +1,0 | +4 | −1 | 1796 | 13 24,3800 | 25 9,753 |
| Mart. 1 | +0,921 | −18,6 | +3,26 | −0,3 | +4 | −1 | 1797 | 13 28,1632 | 25 13,592 |
| 11 | +0,728 | −19,4 | +3,17 | −1,5 | +4 | −1 | 1798 | 13 31,9465 | 25 17,426 |
| 21 | +0,534 | −18,9 | +2,97 | −2,6 | +4 | 0 | 1799 | 13 35,7299 | 25 21,254 |
| 31 | +0,351 | −17,3 | +2,65 | −3,7 | +4 | 0 | 1800 | 13 39,5132 | 25 25,076 |
| | | | | | | | 1801 | 13 43,2967 | 25 28,894 |
| Apr. 10 | +0,189 | −14,7 | +2,24 | −4,5 | +4 | 0 | 1802 | 13 47,0803 | 25 32,706 |
| 20 | +0,058 | −11,1 | +1,76 | −5,0 | +3 | +1 | 1803 | 13 50,8640 | 25 36,513 |
| 30 | −0,033 | − 6,8 | +1,25 | −5,1 | +3 | +1 | 1804 | 13 54,6478 | 25 40,314 |
| Maj. 10 | −0,078 | − 2,2 | +0,75 | −4,9 | +2 | +1 | 1805 | 13 58,4317 | 25 44,110 |
| 20 | −0,076 | + 2,8 | +0,28 | −4,4 | +2 | +1 | 1806 | 14 2,2157 | 25 47,901 |
| | | | | | | | 1807 | 14 5,9998 | 25 51,686 |
| 30 | −0,023 | + 7,8 | −0,13 | −3,7 | +1 | +1 | 1808 | 14 9,7840 | 25 55,466 |
| Jun. 9 | +0,079 | +12,6 | −0,45 | −2,7 | 0 | 0 | 1809 | 14 13,5682 | 25 59,240 |
| 19 | +0,228 | +17,0 | −0,66 | −1,6 | 0 | 0 | 1810 | 14 17,3525 | 26 3,008 |
| 29 | +0,419 | +21,0 | −0,76 | −0,4 | −1 | 0 | | | |
| Jul. 9 | +0,647 | +24,4 | −0,74 | +0,7 | −1 | −1 | | | |
| 19 | +0,906 | +27,2 | −0,62 | +1,8 | −2 | −1 | | | |
| 29 | +1,191 | +29,5 | −0,39 | +2,7 | −2 | −2 | | | |
| Aug. 8 | +1,495 | +31,2 | −0,09 | +3,3 | −3 | −2 | | | |
| 18 | +1,814 | +32,3 | +0,27 | +3,8 | −3 | −3 | | | |
| 28 | +2,140 | +32,9 | +0,66 | +4,1 | −3 | −3 | | | |
| Sept. 7 | +2,471 | +33,1 | +1,08 | +4,2 | −3 | −4 | | | |
| 17 | +2,802 | +32,8 | +1,49 | +4,1 | −3 | −4 | | | |
| 27 | +3,128 | +32,3 | +1,90 | +4,0 | −3 | −5 | | | |
| Oct. 7 | +3,447 | +31,4 | +2,28 | +3,7 | −3 | −6 | | | |
| 17 | +3,755 | +30,1 | +2,64 | +3,5 | −2 | −6 | | | |
| 27 | +4,048 | +28,3 | +2,98 | +3,4 | −2 | −6 | | | |
| Nov. 6 | +4,321 | +26,1 | +3,32 | +3,4 | −2 | −7 | | | |
| 16 | +4,570 | +23,4 | +3,66 | +3,5 | −1 | −7 | | | |
| 26 | +4,789 | +20,2 | +4,02 | +3,7 | 0 | −7 | | | |
| Dec. 6 | +4,973 | +16,4 | +4,40 | +3,9 | 0 | −8 | | | |
| 16 | +5,116 | +12,1 | +4,80 | +4,1 | +1 | −8 | | | |
| 26 | +5,214 | + 7,4 | +5,21 | +4,2 | +2 | −8 | | | |
| 36 | +5,263 | + 2,4 | +5,64 | +4,2 | +3 | −8 | | | |

Diei reducto addendum est:

ante } Jun. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Orionis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 5h 43′ 49″,201 | + 7° 21′ 4″,75 | 1800 | Jan. 0 | 5h 44′ 20″,253 | + 7° 21′ 31″,60 |
| | Apr. 10 | 49,129 | 4,12 | | Apr. 10 | 20,338 | 32,04 |
| | Jul. 19 | 49,052 | 3,56 | | Jul. 19 | 20,426 | 32,42 |
| | Oct. 27 | 48,968 | 3,05 | | Oct. 27 | 20,517 | 32,73 |
| | Dec. 66 | 48,879 | 2,61 | | Dec. 66 | 20,612 | 32,97 |
| 1791 | Jan. 0 | 5 43 52,154 | + 7 21 4,16 | 1801 | Jan. 0 | 5 44 23,824 | + 7 21 34,26 |
| | Apr. 10 | 52,061 | 3,76 | | Apr. 10 | 23,920 | 34,46 |
| | Jul. 19 | 51,966 | 3,43 | | Jul. 19 | 24,017 | 34,58 |
| | Oct. 27 | 51,868 | 3,18 | | Oct. 27 | 24,114 | 34,63 |
| | Dec. 66 | 51,767 | 3,01 | | Dec. 66 | 24,211 | 34,61 |
| 1792 | Jan. 1 | 5 43 55,045 | + 7 21 4,46 | 1802 | Jan. 0 | 5 44 27,423 | + 7 21 35,98 |
| | Apr. 10 | 54,943 | 4,33 | | Apr. 10 | 27,520 | 35,91 |
| | Jul. 19 | 54,841 | 4,29 | | Jul. 19 | 27,615 | 35,77 |
| | Oct. 27 | 54,740 | 4,32 | | Oct. 27 | 27,708 | 35,55 |
| | Dec. 66 | 54,639 | 4,43 | | Dec. 66 | 27,798 | 35,27 |
| 1793 | Jan. 0 | 5 43 57,916 | + 7 21 5,78 | 1803 | Jan. 0 | 5 44 31,012 | + 7 21 36,72 |
| | Apr. 10 | 57,817 | 5,95 | | Apr. 10 | 31,100 | 36,39 |
| | Jul. 19 | 57,721 | 6,19 | | Jul. 19 | 31,183 | 35,99 |
| | Oct. 27 | 57,629 | 6,50 | | Oct. 27 | 31,261 | 35,53 |
| | Dec. 66 | 57,540 | 6,89 | | Dec. 66 | 31,335 | 35,01 |
| 1794 | Jan. 0 | 5 44 0,814 | + 7 21 8,15 | 1804 | Jan. 1 | 5 44 34,555 | + 7 21 36,54 |
| | Apr. 10 | 0,728 | 8,58 | | Apr. 10 | 34,625 | 35,98 |
| | Jul. 19 | 0,650 | 9,07 | | Jul. 19 | 34,687 | 35,38 |
| | Oct. 27 | 0,577 | 9,63 | | Oct. 27 | 34,742 | 34,72 |
| | Dec. 66 | 0,512 | 10,24 | | Dec. 66 | 34,790 | 34,02 |
| 1795 | Jan. 0 | 5 44 3,778 | + 7 21 11,42 | 1805 | Jan. 0 | 5 44 38,019 | + 7 21 35,60 |
| | Apr. 10 | 3,717 | 12,07 | | Apr. 10 | 38,062 | 34,87 |
| | Jul. 19 | 3,665 | 12,76 | | Jul. 19 | 38,096 | 34,12 |
| | Oct. 27 | 3,621 | 13,48 | | Oct. 27 | 38,122 | 33,34 |
| | Dec. 66 | 3,586 | 14,25 | | Dec. 66 | 38,139 | 32,53 |
| 1796 | Jan. 1 | 5 44 6,841 | + 7 21 15,38 | 1806 | Jan. 0 | 5 44 41,379 | + 7 21 34,13 |
| | Apr. 10 | 6,811 | 16,16 | | Apr. 10 | 41,390 | 33,31 |
| | Jul. 19 | 6,791 | 16,96 | | Jul. 19 | 41,391 | 32,49 |
| | Oct. 27 | 6,780 | 17,77 | | Oct. 27 | 41,384 | 31,67 |
| | Dec. 66 | 6,778 | 18,60 | | Dec. 66 | 41,367 | 30,84 |
| 1797 | Jan. 0 | 5 44 10,022 | + 7 21 19,71 | 1807 | Jan. 0 | 5 44 44,618 | + 7 21 32,45 |
| | Apr. 10 | 10,026 | 20,54 | | Apr. 10 | 44,595 | 31,63 |
| | Jul. 19 | 10,040 | 21,35 | | Jul. 19 | 44,564 | 30,83 |
| | Oct. 27 | 10,062 | 22,16 | | Oct. 27 | 44,523 | 30,06 |
| | Dec. 66 | 10,093 | 22,96 | | Dec. 66 | 44,474 | 29,31 |
| 1798 | Jan. 0 | 5 44 13,326 | + 7 21 24,07 | 1808 | Jan. 1 | 5 44 47,736 | + 7 21 30,89 |
| | Apr. 10 | 13,363 | 24,85 | | Apr. 10 | 47,682 | 30,17 |
| | Jul. 19 | 13,408 | 25,59 | | Jul. 19 | 47,619 | 29,49 |
| | Oct. 27 | 13,460 | 26,30 | | Oct. 27 | 47,550 | 28,86 |
| | Dec. 66 | 13,520 | 26,98 | | Dec. 66 | 47,473 | 28,28 |
| 1799 | Jan. 0 | 5 44 16,743 | + 7 21 28,13 | 1809 | Jan. 0 | 5 44 50,744 | + 7 21 29,79 |
| | Apr. 10 | 16,807 | 28,78 | | Apr. 10 | 50,663 | 28,25 |
| | Jul. 19 | 16,878 | 29,37 | | Jul. 19 | 50,577 | 28,77 |
| | Oct. 27 | 16,954 | 29,91 | | Oct. 27 | 50,486 | 28,36 |
| | Dec. 66 | 17,036 | 30,39 | | Dec. 66 | 50,391 | 28,02 |

## Tabulae X. Sect. III. *α Orionis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,350 | + 6,3 | —1,29 | — 8,7 | +1 | —1 | 1790 | 5 43 48,3959 | + 7 21 10,532 |
| 10 | +1,390 | + 1,7 | —2,11 | — 7,7 | +1 | —1 | 1791 | 43 51,6402 | 21 11,939 |
| 20 | +1,384 | — 2,9 | —2,83 | — 6,6 | +2 | —1 | 1792 | 43 54,3845 | 21 13,342 |
| 30 | +1,333 | — 7,2 | —3,43 | — 5,5 | +2 | —1 | 1793 | 43 58,1288 | 21 14,740 |
| Febr. 9 | +1,241 | —10,9 | —3,92 | — 4,3 | +3 | —1 | 1794 | 44 1,3731 | 21 16,133 |
| | | | | | | | 1795 | 44 4,6175 | 21 17,520 |
| 19 | +1,115 | —13,9 | —4,28 | — 3,1 | +3 | —1 | 1796 | 44 7,8619 | 21 18,904 |
| Mart. 1 | +0,963 | —16,1 | —4,54 | — 2,1 | +3 | —1 | 1797 | 44 11,1063 | 21 20,283 |
| 11 | +0,793 | —17,3 | —4,70 | — 1,1 | +3 | —1 | 1798 | 44 14,3508 | 21 21,657 |
| 21 | +0,617 | —17,5 | —4,75 | — 0,1 | +3 | —1 | 1799 | 44 17,5953 | 21 23,026 |
| 31 | +0,445 | —16,5 | —4,71 | + 1,0 | +3 | —1 | 1800 | 44 20,8398 | 21 24,391 |
| | | | | | | | 1801 | 44 24,0844 | 21 25,751 |
| Apr. 10 | +0,288 | —14,6 | —4,56 | + 2,0 | +3 | —1 | 1802 | 44 27,3290 | 21 27,106 |
| 20 | +0,154 | —11,9 | —4,31 | + 3,1 | +3 | —1 | 1803 | 44 30,5736 | 21 28,456 |
| 30 | +0,050 | — 8,5 | —3,95 | + 4,2 | +2 | —1 | 1804 | 44 33,8183 | 21 29,802 |
| Maj. 10 | —0,016 | — 4,6 | —3,47 | + 5,4 | +2 | —1 | 1805 | 44 37,0629 | 21 31,143 |
| 20 | —0,042 | — 0,5 | —2,87 | + 6,6 | +1 | —1 | 1806 | 44 40,3076 | 21 32,479 |
| | | | | | | | 1807 | 44 43,5523 | 21 33,811 |
| 30 | —0,026 | + 3,8 | —2,16 | + 7,4 | +1 | —1 | 1808 | 44 46,7971 | 21 35,138 |
| Jun. 9 | +0,033 | + 8,0 | —1,34 | + 8,7 | +1 | —1 | 1809 | 44 50,0419 | 21 36,460 |
| 19 | +0,133 | +11,9 | —0,42 | + 9,6 | 0 | —2 | 1810 | 44 53,2868 | 21 37,777 |
| 29 | +0,271 | +15,5 | + 0,57 | +10,2 | 0 | —2 | | | |
| Jul. 9 | +0,443 | +18,8 | + 1,61 | +10,5 | —1 | —2 | | | |
| 19 | +0,646 | +21,6 | + 2,67 | +10,5 | —1 | —2 | | | |
| 29 | +0,874 | +23,9 | + 3,70 | +10,0 | —2 | —2 | | | |
| Aug. 8 | +1,124 | +25,7 | + 4,67 | + 9,2 | —2 | —3 | | | |
| 18 | +1,388 | +27,1 | + 5,53 | + 7,9 | —2 | —3 | | | |
| 28 | +1,666 | +28,2 | + 6,24 | + 6,3 | —2 | —3 | | | |
| Sept. 7 | +1,951 | +28,8 | + 6,78 | + 4,3 | —3 | —3 | | | |
| 17 | +2,241 | +29,1 | + 7,10 | + 2,1 | —3 | —4 | | | |
| 27 | +2,532 | +29,0 | + 7,20 | — 0,2 | —3 | —4 | | | |
| Oct. 7 | +2,821 | +28,6 | + 7,07 | — 2,4 | —3 | —4 | | | |
| 17 | +3,104 | +27,8 | + 6,72 | — 4,6 | —2 | —4 | | | |
| 27 | +3,377 | +23,7 | + 6,16 | — 6,5 | —2 | —4 | | | |
| Nov. 6 | +3,637 | +25,1 | + 5,43 | — 8,0 | —2 | —4 | | | |
| 16 | +3,878 | +22,9 | + 4,56 | — 9,2 | —1 | —5 | | | |
| 26 | +4,095 | +20,3 | + 3,60 | — 9,8 | —1 | —5 | | | |
| Dec. 6 | +4,283 | +17,1 | + 2,60 | —10,0 | 0 | —5 | | | |
| 16 | +4,435 | +13,3 | + 1,60 | — 9,8 | 0 | —5 | | | |
| 26 | +4,547 | + 9,0 | + 0,64 | — 9,3 | +1 | —5 | | | |
| 36 | +4,615 | + 4,6 | —0,25 | — 8,4 | +1 | —5 | | | |

Diei reducto addendum est:

ante } Jun. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Canis majoris.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 6 35 54,190 | —16 26 31,23 | 1800 | Jan. 0 | 6 36 19,442 | —16 27 0,31 |
| | Apr. 10 | 54,132 | 31,74 | | Apr. 10 | 19,511 | 26 59,98 |
| | Jul. 19 | 54,069 | 32,19 | | Jul. 19 | 19,583 | 59,74 |
| | Oct. 27 | 54,002 | 32,57 | | Oct. 27 | 19,658 | 59,56 |
| | Dec. 66 | 53,929 | 32,89 | | Dec. 66 | 19,736 | 59,45 |
| 1791 | Jan. 0 | 6 35 56,597 | —16 26 37,16 | 1801 | Jan. 0 | 6 36 22,353 | —16 27 3,89 |
| | Apr. 10 | 56,522 | 37,43 | | Apr. 10 | 22,432 | 3,83 |
| | Jul. 19 | 56,444 | 37,62 | | Jul. 19 | 22,512 | 3,84 |
| | Oct. 27 | 56,363 | 37,73 | | Oct. 27 | 22,592 | 3,92 |
| | Dec. 66 | 56,280 | 37,76 | | Dec. 66 | 22,673 | 4,08 |
| 1792 | Jan. 1 | 6 35 58,952 | —16 26 42,14 | 1802 | Jan. 0 | 6 36 25,290 | —16 27 8,44 |
| | Apr. 10 | 58,867 | 42,12 | | Apr. 10 | 25,371 | 8,64 |
| | Jul. 19 | 58,783 | 42,02 | | Jul. 19 | 25,450 | 8,91 |
| | Oct. 27 | 58,699 | 41,84 | | Oct. 27 | 25,527 | 9,25 |
| | Dec. 66 | 58,615 | 41,59 | | Dec. 66 | 25,602 | 9,66 |
| 1793 | Jan. 0 | 6 36 1,287 | —16 26 46,06 | 1803 | Jan. 0 | 6 36 28,221 | —16 27 13,93 |
| | Apr. 10 | 1,204 | 45,76 | | Apr. 10 | 28,295 | 14,38 |
| | Jul. 19 | 1,124 | 45,39 | | Jul. 19 | 28,365 | 14,89 |
| | Oct. 27 | 1,047 | 44,95 | | Oct. 27 | 28,431 | 15,45 |
| | Dec. 66 | 0,972 | 44,45 | | Dec. 66 | 28,493 | 16,07 |
| 1794 | Jan. 0 | 6 36 3,641 | —16 26 49,01 | 1804 | Jan. 1 | 6 36 31,116 | —16 27 20,27 |
| | Apr. 10 | 3,569 | 48,46 | | Apr. 10 | 31,175 | 20,92 |
| | Jul. 19 | 3,503 | 47,86 | | Jul. 19 | 31,228 | 21,61 |
| | Oct. 27 | 3,442 | 47,21 | | Oct. 27 | 31,275 | 22,33 |
| | Dec. 66 | 3,386 | 46,51 | | Dec. 66 | 31,317 | 23,09 |
| 1795 | Jan. 0 | 6 36 6,048 | —16 26 51,14 | 1805 | Jan. 0 | 6 36 33,948 | —16 27 27,26 |
| | Apr. 10 | 5,996 | 50,41 | | Apr. 10 | 33,986 | 28,04 |
| | Jul. 19 | 5,951 | 49,66 | | Jul. 19 | 34,016 | 28,83 |
| | Oct. 27 | 5,913 | 48,88 | | Oct. 27 | 34,039 | 29,64 |
| | Dec. 66 | 5,881 | 48,07 | | Dec. 66 | 34,055 | 30,46 |
| 1796 | Jan. 1 | 6 36 8,535 | —16 26 52,73 | 1806 | Jan. 0 | 6 36 36,694 | —16 27 34,62 |
| | Apr. 10 | 8,509 | 51,91 | | Apr. 10 | 36,705 | 35,44 |
| | Jul. 19 | 8,490 | 51,09 | | Jul. 19 | 36,709 | 36,26 |
| | Oct. 27 | 8,479 | 50,27 | | Oct. 27 | 36,705 | 37,06 |
| | Dec. 66 | 8,475 | 49,44 | | Dec. 66 | 36,693 | 37,85 |
| 1797 | Jan. 0 | 6 36 11,119 | —16 26 54,11 | 1807 | Jan. 0 | 6 36 39,342 | —16 27 42,02 |
| | Apr. 10 | 11,120 | 53,30 | | Apr. 10 | 39,325 | 42,80 |
| | Jul. 19 | 11,129 | 52,51 | | Jul. 19 | 39,301 | 43,54 |
| | Oct. 27 | 11,145 | 51,74 | | Oct. 27 | 39,269 | 44,25 |
| | Dec. 66 | 11,169 | 51,00 | | Dec. 66 | 39,231 | 44,92 |
| 1798 | Jan. 0 | 6 36 13,805 | —16 26 55,64 | 1808 | Jan. 1 | 6 36 41,888 | —16 27 49,14 |
| | Apr. 10 | 13,833 | 54,92 | | Apr. 10 | 41,845 | 49,78 |
| | Jul. 19 | 13,868 | 54,25 | | Jul. 19 | 41,795 | 50,36 |
| | Oct. 27 | 13,909 | 53,62 | | Oct. 27 | 41,739 | 50,88 |
| | Dec. 66 | 13,957 | 53,03 | | Dec. 66 | 41,677 | 51,35 |
| 1799 | Jan. 0 | 6 36 16,585 | —16 26 57,62 | 1809 | Jan. 0 | 6 36 44,342 | —16 27 55,64 |
| | Apr. 10 | 16,637 | 57,07 | | Apr. 10 | 44,277 | 56,07 |
| | Jul. 19 | 16,693 | 56,59 | | Jul. 19 | 44,207 | 56,42 |
| | Oct. 27 | 16,755 | 56,16 | | Oct. 27 | 44,133 | 56,70 |
| | Dec. 66 | 16,821 | 55,79 | | Dec. 66 | 44,056 | 56,90 |

## Tabulae X. Sect. III. *α Canis majoris.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,426 | + 9,1 | − 1,81 | −23,7 | 0 | +1 |
| 10 | +1,493 | + 4,3 | − 4,13 | −22,3 | +1 | +1 |
| 20 | +1,511 | − 0,7 | − 6,26 | −20,2 | +1 | +1 |
| 30 | +1,480 | − 5,4 | − 8,16 | −17,8 | +1 | 0 |
| Febr. 9 | +1,404 | − 9,7 | − 9,81 | −15,0 | +2 | 0 |
| 19 | +1,287 | −13,3 | −11,16 | −12,0 | +2 | 0 |
| Mart. 1 | +1,138 | −16,2 | −12,20 | − 8,9 | +2 | 0 |
| 11 | +0,964 | −18,2 | −12,93 | − 5,7 | +2 | −1 |
| 21 | +0,775 | −19,1 | −13,33 | − 2,5 | +3 | −1 |
| 31 | +0,582 | −19,0 | −13,42 | + 0,7 | +2 | −1 |
| Apr. 10 | +0,395 | −18,0 | −13,20 | + 3,8 | +2 | −1 |
| 20 | +0,222 | −16,1 | −12,67 | + 6,7 | +2 | −2 |
| 30 | +0,073 | −13,5 | −11,86 | + 9,5 | +2 | −2 |
| Maj. 10 | −0,047 | −10,3 | −10,77 | +12,2 | +2 | −2 |
| 20 | −0,133 | − 6,8 | − 9,42 | +14,6 | +2 | −2 |
| 30 | −0,182 | − 2,9 | − 7,86 | +16,6 | +1 | −3 |
| Jun. 9 | −0,191 | + 1,1 | − 6,10 | +18,4 | +1 | −3 |
| 19 | −0,160 | + 5,0 | − 4,19 | +19,6 | 0 | −3 |
| 29 | −0,091 | + 8,8 | − 2,18 | +20,4 | 0 | −3 |
| Jul. 9 | +0,015 | +12,3 | − 0,12 | +20,5 | 0 | −3 |
| 19 | +0,155 | +15,5 | + 1,92 | +20,0 | −1 | −3 |
| 29 | +0,325 | +18,4 | + 3,88 | +18,9 | −1 | −3 |
| Aug. 8 | +0,523 | +21,1 | + 5,69 | +17,0 | −1 | −3 |
| 18 | +0,746 | +23,3 | + 7,28 | +14,5 | −2 | −3 |
| 28 | +0,988 | +25,1 | + 8,59 | +11,4 | −2 | −3 |
| Sept. 7 | +1,248 | +26,7 | + 9,56 | + 7,7 | −2 | −3 |
| 17 | +1,522 | +27,9 | +10,13 | + 3,6 | −2 | −3 |
| 27 | +1,805 | +28,7 | +10,28 | − 0,8 | −2 | −3 |
| Oct. 7 | +2,095 | +29,1 | + 9,98 | − 5,2 | −2 | −3 |
| 17 | +2,386 | +29,0 | + 9,24 | − 9,5 | −2 | −2 |
| 27 | +2,674 | +28,4 | + 8,08 | −13,6 | −2 | −2 |
| Nov. 6 | +2,954 | +27,3 | + 6,52 | −17,3 | −2 | −2 |
| 16 | +3,220 | +25,5 | + 4,63 | −20,2 | −2 | −2 |
| 26 | +3,464 | +23,1 | + 2,48 | −22,4 | −1 | −2 |
| Dec. 6 | +3,681 | +20,0 | + 0,15 | −23,8 | −1 | −2 |
| 16 | +3,863 | +16,2 | − 2,28 | −24,4 | −1 | −2 |
| 26 | +4,004 | +11,9 | − 4,73 | −24,2 | 0 | −2 |
| 36 | +4,101 | + 7,3 | − 7,11 | −23,3 | 0 | −3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 6 35 53,5080 | −16 26 24,378 |
| 1791 | 35 56,1519 | 26 28,748 |
| 1792 | 35 58,7959 | 26 33,123 |
| 1793 | 36 1,4398 | 26 37,501 |
| 1794 | 36 4,0838 | 26 41,883 |
| 1795 | 36 6,7277 | 26 46,269 |
| 1796 | 36 9,3716 | 26 50,658 |
| 1797 | 36 12,0156 | 26 55,052 |
| 1798 | 36 14,6595 | 26 59,449 |
| 1799 | 36 17,3035 | 27 3,850 |
| 1800 | 36 19,9475 | 27 8,255 |
| 1801 | 36 22,5915 | 27 12,664 |
| 1802 | 36 25,2355 | 27 17,076 |
| 1803 | 36 27,8794 | 27 21,492 |
| 1804 | 36 30,5234 | 27 25,912 |
| 1805 | 36 33,1674 | 27 30,336 |
| 1806 | 36 35,8114 | 27 34,764 |
| 1807 | 36 38,4554 | 27 39,195 |
| 1808 | 36 41,0994 | 27 43,631 |
| 1809 | 36 43,7434 | 27 48,070 |
| 1810 | 36 46,3874 | 27 52,512 |

Diei reducto addendum est:

ante } Jun. 29 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Geminorum.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 7h 21′ 11″,133 | +32° 19′ 46″,91 |
| | Apr. 10 | 11,039 | 46,51 |
| | Jul. 19 | 10,938 | 46,18 |
| | Oct. 27 | 10,831 | 45,92 |
| | Dec. 66 | 10,718 | 45,73 |
| 1791 | Jan. 0 | 7 21 14,604 | +32 19 38,75 |
| | Apr. 10 | 14,488 | 38,61 |
| | Jul. 19 | 14,370 | 38,54 |
| | Oct. 27 | 14,250 | 38,56 |
| | Dec. 66 | 14,127 | 38,65 |
| 1792 | Jan. 1 | 7 21 18,016 | +32 19 31,57 |
| | Apr. 10 | 17,893 | 31,71 |
| | Jul. 19 | 17,771 | 31,93 |
| | Oct. 27 | 17,652 | 32,22 |
| | Dec. 66 | 17,534 | 32,59 |
| 1793 | Jan. 0 | 7 21 21,420 | +32 19 25,41 |
| | Apr. 10 | 21,306 | 25,82 |
| | Jul. 19 | 21,195 | 26,29 |
| | Oct. 27 | 21,091 | 26,82 |
| | Dec. 66 | 20,992 | 27,41 |
| 1794 | Jan. 0 | 7 21 24,871 | +32 19 20,16 |
| | Apr. 10 | 24,777 | 20,78 |
| | Jul. 19 | 24,692 | 21,44 |
| | Oct. 27 | 24,615 | 22,14 |
| | Dec. 66 | 24,546 | 22,89 |
| 1795 | Jan. 0 | 7 21 28,415 | +32 19 15,58 |
| | Apr. 10 | 28,353 | 16,34 |
| | Jul. 19 | 28,302 | 17,12 |
| | Oct. 27 | 28,261 | 17,92 |
| | Dec. 66 | 28,231 | 18,73 |
| 1796 | Jan. 1 | 7 21 32,086 | +32 19 11,40 |
| | Apr. 10 | 32,063 | 12,21 |
| | Jul. 19 | 32,052 | 13,01 |
| | Oct. 27 | 32,051 | 13,80 |
| | Dec. 66 | 32,062 | 14,59 |
| 1797 | Jan. 0 | 7 21 35,903 | +32 19 7,26 |
| | Apr. 10 | 35,921 | 8,03 |
| | Jul. 19 | 35,950 | 8,76 |
| | Oct. 27 | 35,988 | 9,46 |
| | Dec. 66 | 36,037 | 10,13 |
| 1798 | Jan. 0 | 7 21 39,866 | +32 19 2,84 |
| | Apr. 10 | 39,922 | 3,48 |
| | Jul. 19 | 39,986 | 4,06 |
| | Oct. 27 | 40,059 | 4,60 |
| | Dec. 66 | 40,140 | 5,08 |
| 1799 | Jan. 0 | 7 21 43,958 | +32 18 57,85 |
| | Apr. 10 | 44,044 | 58,29 |
| | Jul. 19 | 44,137 | 58,66 |
| | Oct. 27 | 44,236 | 58,97 |
| | Dec. 66 | 44,341 | 59,22 |
| 1800 | Jan. 0 | 7h 21′ 48″,151 | +32° 18′ 52″,06 |
| | Apr. 10 | 48,259 | 52,26 |
| | Jul. 19 | 48,369 | 52,39 |
| | Oct. 27 | 48,482 | 52,45 |
| | Dec. 66 | 48,598 | 52,43 |
| 1801 | Jan. 0 | 7 21 52,405 | +32 18 45,36 |
| | Apr. 10 | 52,522 | 45,30 |
| | Jul. 19 | 52,638 | 45,17 |
| | Oct. 27 | 52,753 | 44,97 |
| | Dec. 66 | 52,868 | 44,70 |
| 1802 | Jan. 0 | 7 21 56,676 | +32 18 37,70 |
| | Apr. 10 | 56,790 | 37,39 |
| | Jul. 19 | 56,900 | 37,01 |
| | Oct. 27 | 57,006 | 36,59 |
| | Dec. 66 | 57,108 | 36,03 |
| 1803 | Jan. 0 | 7 22 0,920 | +32 18 29,15 |
| | Apr. 10 | 1,019 | 28,62 |
| | Jul. 19 | 1,111 | 28,04 |
| | Oct. 27 | 1,197 | 27,41 |
| | Dec. 66 | 1,276 | 26,73 |
| 1804 | Jan. 1 | 7 22 5,096 | +32 18 19,86 |
| | Apr. 10 | 5,169 | 19,16 |
| | Jul. 19 | 5,233 | 18,43 |
| | Oct. 27 | 5,288 | 17,68 |
| | Dec. 66 | 5,334 | 16,90 |
| 1805 | Jan. 0 | 7 22 9,166 | +32 18 10,05 |
| | Apr. 10 | 9,205 | 9,26 |
| | Jul. 19 | 9,234 | 8,47 |
| | Oct. 27 | 9,252 | 7,67 |
| | Dec. 66 | 9,259 | 6,87 |
| 1806 | Jan. 0 | 7 22 13,104 | +32 18 0,02 |
| | Apr. 10 | 13,104 | 17 59,22 |
| | Jul. 19 | 13,093 | 58,45 |
| | Oct. 27 | 13,071 | 57,69 |
| | Dec. 66 | 13,039 | 56,96 |
| 1807 | Jan. 0 | 7 22 16,896 | +32 17 50,09 |
| | Apr. 10 | 16,856 | 49,38 |
| | Jul. 19 | 16,806 | 48,71 |
| | Oct. 27 | 16,746 | 48,10 |
| | Dec. 66 | 16,676 | 47,52 |
| 1808 | Jan. 1 | 7 22 20,546 | +32 17 40,58 |
| | Apr. 10 | 20,470 | 40,04 |
| | Jul. 19 | 20,386 | 39,57 |
| | Oct. 27 | 20,294 | 39,16 |
| | Dec. 66 | 20,194 | 38,81 |
| 1809 | Jan. 0 | 7 22 24,073 | +32 17 31,78 |
| | Apr. 10 | 23,969 | 31,48 |
| | Jul. 19 | 23,860 | 31,26 |
| | Oct. 27 | 23,746 | 31,11 |
| | Dec. 66 | 23,627 | 31,03 |

## Tabulae X. Sect. III. *α Geminorum.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,582 | +18,5 | — 3,88 | + 3,5 | —1 | —3 |
| 10 | +1,740 | +13,0 | — 3,44 | + 5,2 | —1 | —3 |
| 20 | +1,842 | + 7,3 | — 2,85 | + 6,5 | 0 | —3 |
| 30 | +1,885 | + 1,4 | — 2,15 | + 7,4 | +1 | —4 |
| Febr. 9 | +1,870 | — 4,2 | — 1,37 | + 7,9 | +1 | —4 |
| 19 | +1,802 | — 9,2 | — 0,57 | + 7,9 | +2 | —4 |
| Mart. 1 | +1,686 | —13,5 | + 0,21 | + 7,4 | +3 | —3 |
| 11 | +1,533 | —16,7 | + 0,91 | + 6,5 | +3 | —3 |
| 21 | +1,353 | —18,7 | + 1,50 | + 5,2 | +3 | —3 |
| 31 | +1,159 | —19,5 | + 1,95 | + 3,7 | +4 | —2 |
| Apr. 10 | +0,963 | —19,2 | + 2,23 | + 2,0 | +4 | —2 |
| 20 | +0,775 | —17,8 | + 2,35 | + 0,4 | +4 | —2 |
| 30 | +0,607 | —15,8 | + 2,30 | — 1,3 | +4 | —1 |
| Maj. 10 | +0,467 | —12,3 | + 2,09 | — 2,8 | +3 | —1 |
| 20 | +0,362 | — 8,6 | + 1,75 | — 4,1 | +3 | —1 |
| 30 | +0,296 | — 4,5 | + 1,28 | — 5,1 | +3 | 0 |
| Jun. 9 | +0,273 | — 0,2 | + 0,73 | — 5,9 | +2 | 0 |
| 19 | +0,293 | + 4,1 | + 0,10 | — 6,5 | +1 | 0 |
| 29 | +0,355 | + 8,3 | — 0,57 | — 6,9 | +1 | 0 |
| Jul. 9 | +0,458 | +12,2 | — 1,28 | — 7,2 | 0 | 0 |
| 19 | +0,599 | +15,9 | — 2,01 | — 7,4 | —1 | 0 |
| 29 | +0,775 | +19,3 | — 2,75 | — 7,5 | —1 | 0 |
| Aug. 8 | +0,984 | +22,3 | — 3,50 | — 7,5 | —2 | 0 |
| 18 | +1,221 | +25,0 | — 4,25 | — 7,6 | —3 | —1 |
| 28 | +1,483 | +27,4 | — 5,02 | — 7,7 | —3 | —1 |
| Sept. 7 | +1,769 | +29,6 | — 5,79 | — 7,7 | —4 | —1 |
| 17 | +2,074 | +31,4 | — 6,56 | — 7,8 | —4 | —2 |
| 27 | +2,396 | +33,0 | — 7,34 | — 7,7 | —5 | —2 |
| Oct. 7 | +2,733 | +34,2 | — 8,10 | — 7,5 | —5 | —3 |
| 17 | +3,080 | +35,0 | — 8,84 | — 7,2 | —5 | —4 |
| 27 | +3,433 | +35,4 | — 9,53 | — 6,6 | —5 | —4 |
| Nov. 6 | +3,787 | +35,1 | —10,15 | — 5,7 | —5 | —5 |
| 16 | +4,135 | +34,1 | —10,66 | — 4,5 | —5 | —6 |
| 26 | +4,469 | +32,3 | —11,04 | — 3,0 | —5 | —6 |
| Dec. 6 | +4,781 | +29,6 | —11,26 | — 1,3 | —4 | —7 |
| 16 | +5,061 | +26,1 | —11,30 | + 0,6 | —4 | —7 |
| 26 | +5,302 | +21,7 | —11,15 | + 2,4 | —3 | —8 |
| 36 | +5,495 | +16,5 | —10,82 | + 4,1 | —2 | —8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 7 21 10,2681 | +32 19 54,394 |
| 1791 | 21 14,1154 | 19 47,359 |
| 1792 | 21 17,9625 | 19 40,319 |
| 1793 | 21 21,8095 | 19 33,273 |
| 1794 | 21 25,6564 | 19 26,222 |
| 1795 | 21 29,5032 | 19 19,166 |
| 1796 | 21 33,3498 | 19 12,105 |
| 1797 | 21 37,1963 | 19 5,038 |
| 1798 | 21 41,0427 | 18 57,966 |
| 1799 | 21 44,8890 | 18 50,889 |
| 1800 | 21 48,7351 | 18 43,806 |
| 1801 | 21 52,5811 | 18 36,718 |
| 1802 | 21 56,4270 | 18 29,625 |
| 1803 | 22 0,2728 | 18 22,527 |
| 1804 | 22 4,1184 | 18 15,423 |
| 1805 | 22 7,9639 | 18 8,314 |
| 1806 | 22 11,8093 | 18 1,200 |
| 1807 | 22 15,6546 | 17 54,081 |
| 1808 | 22 19,4997 | 17 46,956 |
| 1809 | 22 23,3447 | 17 39,826 |
| 1810 | 22 27,1896 | 17 32,691 |

Diei reducto addendum est:

ante } Jul. 10 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.'

## Tabulae X. Sect. III. *α Canis minoris.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 7 28 18,776 | + 5 44 52,97 | 1800 | Jan. 0 | 7 28 48,929 | + 5 43 42,49 |
| | Apr. 10 | 18,703 | 52,59 | | Apr. 10 | 49,014 | 42,67 |
| | Jul. 19 | 18,625 | 52,27 | | Jul. 19 | 49,101 | 42,78 |
| | Oct. 27 | 18,541 | 52,04 | | Oct. 27 | 49,192 | 42,84 |
| | Dec. 66 | 18,452 | 51,87 | | Dec. 66 | 49,286 | 42,78 |
| 1791 | Jan. 0 | 7 28 21,631 | + 5 44 43,30 | 1801 | Jan. 0 | 7 28 52,403 | + 5 43 34,15 |
| | Apr. 10 | 21,538 | 43,18 | | Apr. 10 | 52,498 | 34,07 |
| | Jul. 19 | 21,443 | 43,14 | | Jul. 19 | 52,593 | 33,92 |
| | Oct. 27 | 21,346 | 43,18 | | Oct. 27 | 52,689 | 33,70 |
| | Dec. 66 | 21,246 | 43,29 | | Dec. 66 | 52,785 | 33,42 |
| 1792 | Jan. 1 | 7 28 24,428 | + 5 44 34,63 | 1802 | Jan. 0 | 7 28 55,900 | + 5 43 24,86 |
| | Apr. 10 | 24,327 | 34,79 | | Apr. 10 | 55,995 | 24,53 |
| | Jul. 19 | 24,226 | 35,02 | | Jul. 19 | 56,088 | 24,14 |
| | Oct. 27 | 24,127 | 35,33 | | Oct. 27 | 56,179 | 23,69 |
| | Dec. 66 | 24,028 | 35,71 | | Dec. 66 | 56,267 | 23,18 |
| 1793 | Jan. 0 | 7 28 27,209 | + 5 44 26,95 | 1803 | Jan. 0 | 7 28 59,386 | + 5 43 14,70 |
| | Apr. 10 | 27,112 | 27,38 | | Apr. 10 | 59,471 | 14,15 |
| | Jul. 19 | 27,018 | 27,86 | | Jul. 19 | 59,551 | 13,56 |
| | Oct. 27 | 26,929 | 28,40 | | Oct. 27 | 59,626 | 12,92 |
| | Dec. 66 | 26,843 | 29,00 | | Dec. 66 | 59,697 | 12,24 |
| 1794 | Jan. 0 | 7 28 30,019 | + 5 44 20,17 | 1804 | Jan. 1 | 7 29 2,822 | + 5 43 3,81 |
| | Apr. 10 | 29,937 | 20,80 | | Apr. 10 | 2,889 | 3,10 |
| | Jul. 19 | 29,861 | 21,48 | | Jul. 19 | 2,948 | 2,37 |
| | Oct. 27 | 29,792 | 22,19 | | Oct. 27 | 3,000 | 1,61 |
| | Dec. 66 | 29,729 | 22,94 | | Dec. 66 | 3,045 | 0,83 |
| 1795 | Jan. 0 | 7 28 32,897 | + 5 44 14,05 | 1805 | Jan. 0 | 7 29 6,179 | + 5 42 52,42 |
| | Apr. 10 | 32,840 | 14,82 | | Apr. 10 | 6,219 | 51,63 |
| | Jul. 19 | 32,791 | 15,60 | | Jul. 19 | 6,250 | 50,84 |
| | Oct. 27 | 32,750 | 16,39 | | Oct. 27 | 6,273 | 50,05 |
| | Dec. 66 | 32,717 | 17,20 | | Dec. 66 | 6,287 | 49,25 |
| 1796 | Jan. 1 | 7 28 35,876 | + 5 44 8,30 | 1806 | Jan. 0 | 7 29 9,431 | + 5 42 40,84 |
| | Apr. 10 | 35,849 | 9,11 | | Apr. 10 | 9,439 | 40,05 |
| | Jul. 19 | 35,832 | 9,90 | | Jul. 19 | 9,438 | 39,29 |
| | Oct. 27 | 35,823 | 10,69 | | Oct. 27 | 9,428 | 38,55 |
| | Dec. 66 | 35,824 | 11,46 | | Dec. 66 | 9,409 | 37,83 |
| 1797 | Jan. 0 | 7 28 38,971 | + 5 44 2,57 | 1807 | Jan. 0 | 7 29 12,564 | + 5 42 29,38 |
| | Apr. 10 | 38,978 | 3,33 | | Apr. 10 | 12,539 | 29,69 |
| | Jul. 19 | 38,993 | 4,05 | | Jul. 19 | 12,505 | 28,04 |
| | Oct. 27 | 39,018 | 4,74 | | Oct. 27 | 12,463 | 27,44 |
| | Dec. 66 | 39,051 | 5,39 | | Dec. 66 | 12,412 | 26,88 |
| 1798 | Jan. 0 | 7 28 42,187 | + 5 43 56,53 | 1808 | Jan. 1 | 7 29 15,578 | + 5 42 18,37 |
| | Apr. 10 | 42,226 | 57,15 | | Apr. 10 | 15,521 | 17,85 |
| | Jul. 19 | 42,272 | 57,72 | | Jul. 19 | 15,458 | 17,39 |
| | Oct. 27 | 42,326 | 58,24 | | Oct. 27 | 15,388 | 17,00 |
| | Dec. 66 | 42,387 | 58,70 | | Dec. 66 | 15,311 | 16,67 |
| 1799 | Jan. 0 | 7 28 45,513 | + 5 43 49,91 | 1809 | Jan. 0 | 7 29 18,485 | + 5 42 8,09 |
| | Apr. 10 | 45,579 | 50,33 | | Apr. 10 | 18,403 | 7,81 |
| | Jul. 19 | 45,650 | 50,69 | | Jul. 19 | 18,317 | 7,60 |
| | Oct. 27 | 45,727 | 50,98 | | Oct. 27 | 18,227 | 7,47 |
| | Dec. 66 | 45,809 | 51,21 | | Dec. 66 | 18,132 | 7,41 |

## Tabulae X. Sect. III. α *Canis minoris.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,339 | +15,9 | — 2,36 | —13,2 | —1 | 0 | 1790 | 7 28 18,0010 | + 5 45 0,527 |
| 10 | +1,476 | +11,3 | — 3,61 | —11,8 | 0 | 0 | 1791 | 28 21,1495 | 44 51,915 |
| 20 | +1,564 | + 6,3 | — 4,71 | —10,1 | 0 | —1 | 1792 | 28 24,2979 | 44 43,298 |
| 30 | +1,602 | + 1,4 | — 5,63 | — 8,3 | +1 | —1 | 1793 | 28 27,4463 | 44 34,677 |
| Febr. 9 | +1,591 | — 3,5 | — 6,37 | — 6,5 | +1 | —1 | 1794 | 28 30,5947 | 44 26,052 |
| | | | | | | | 1795 | 28 23,7430 | 44 17,423 |
| 19 | +1,533 | — 7,8 | — 6,93 | — 4,7 | +2 | —1 | 1796 | 28 36,8913 | 44 8,790 |
| Mart. 1 | +1,436 | —11,4 | — 7,31 | — 3,1 | +2 | —2 | 1797 | 28 40,0395 | 44 0,152 |
| 11 | +1,306 | —14,1 | — 7,55 | — 1,7 | +2 | —2 | 1798 | 28 43,1877 | 43 51,510 |
| 21 | +1,154 | —15,9 | — 7,65 | — 0,4 | +3 | —2 | 1799 | 28 46,3358 | 43 42,864 |
| 31 | +0,989 | —16,7 | — 7,62 | + 0,8 | +3 | —2 | 1800 | 28 49,4839 | 43 34,213 |
| | | | | | | | 1801 | 28 52,6319 | 43 25,559 |
| Apr. 10 | +0,821 | —16,4 | — 7,49 | + 1,9 | +3 | —2 | 1802 | 28 55,7799 | 43 16,901 |
| 20 | +0,661 | —15,3 | — 7,25 | + 2,8 | +3 | —2 | 1803 | 28 58,9279 | 43 8,238 |
| 30 | +0,515 | —13,4 | — 6,93 | + 3,7 | +3 | —2 | 1804 | 29 2,0758 | 42 59,571 |
| Maj. 10 | +0,393 | —10,8 | — 6,51 | + 4,6 | +2 | —2 | 1805 | 29 5,2237 | 42 50,899 |
| 20 | +0,299 | — 7,8 | — 6,01 | + 5,4 | +2 | —2 | 1806 | 29 8,3715 | 42 42,224 |
| | | | | | | | 1807 | 29 11,5193 | 42 33,544 |
| 30 | +0,237 | — 4,5 | — 5,44 | + 6,1 | +2 | —2 | 1808 | 29 14,6670 | 42 24,860 |
| Jun. 9 | +0,209 | — 1,1 | — 4,79 | + 6,8 | +1 | —2 | 1809 | 29 17,8147 | 42 16,172 |
| 19 | +0,216 | + 2,5 | — 4,08 | + 7,3 | +1 | —2 | 1810 | 29 20,9624 | 42 7,480 |
| 29 | +0,259 | + 6,0 | — 3,33 | + 7,6 | +1 | —2 | | | |
| Jul. 9 | +0,336 | + 9,3 | — 2,56 | + 7,7 | 0 | —2 | | | |
| 19 | +0,444 | +12,3 | — 1,79 | + 7,5 | 0 | —2 | | | |
| 29 | +0,582 | +15,2 | — 1,07 | + 6,9 | —1 | —2 | | | |
| Aug. 8 | +0,748 | +17,8 | — 0,41 | + 6,0 | —1 | —2 | | | |
| 18 | +0,938 | +20,2 | + 0,12 | + 4,6 | —2 | —2 | | | |
| 28 | +1,151 | +22,4 | + 0,51 | + 3,0 | —2 | —2 | | | |
| Sept. 7 | +1,385 | +24,3 | + 0,71 | + 1,0 | —2 | —2 | | | |
| 17 | +1,637 | +26,1 | + 0,70 | — 1,3 | —3 | —2 | | | |
| 27 | +1,906 | +27,6 | + 0,45 | — 3,8 | —3 | —2 | | | |
| Oct. 7 | +2,188 | +28,8 | — 0,05 | — 6,3 | —3 | —2 | | | |
| 17 | +2,481 | +29,6 | — 0,80 | — 8,6 | —3 | —3 | | | |
| 27 | +2,780 | +30,0 | — 1,77 | —10,8 | —3 | —3 | | | |
| Nov. 6 | +3,081 | +29,9 | — 2,95 | —12,6 | —3 | —3 | | | |
| 16 | +3,378 | +29,2 | — 4,28 | —13,9 | —3 | —3 | | | |
| 26 | +3,665 | +27,7 | — 5,73 | —14,8 | —3 | —3 | | | |
| Dec. 6 | +3,932 | +25,4 | — 7,23 | —15,0 | —2 | —4 | | | |
| 16 | +4,173 | +22,4 | — 8,72 | —14,7 | —2 | —4 | | | |
| 26 | +4,380 | +18,6 | —10,16 | —13,9 | —2 | —4 | | | |
| 36 | +4,544 | +14,2 | —11,50 | —12,7 | —1 | —5 | | | |

Diei reducto addendum est:

ante } Jul. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Geminorum*.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 7h 32′ 27″,430 | +28° 30′ 58″,33 | 1800 | Jan. 0 | 7h 33′ 2″,916 | +28° 29′ 54″,57 |
| | Apr. 10 | 27,338 | 57,96 | | Apr. 10 | 3,020 | 54,74 |
| | Jul. 19 | 27,241 | 57,66 | | Jul. 19 | 3,126 | 54,84 |
| | Oct. 27 | 27,137 | 57,43 | | Oct. 27 | 3,236 | 54,86 |
| | Dec. 66 | 27,028 | 57,27 | | Dec. 66 | 3,348 | 54,82 |
| 1791 | Jan. 0 | 7 32 30,755 | +28 30 49,38 | 1801 | Jan. 0 | 7 33 6,998 | +28 29 46,85 |
| | Apr. 10 | 30,643 | 49,27 | | Apr. 10 | 7,111 | 46,76 |
| | Jul. 19 | 30,529 | 49,24 | | Jul. 19 | 7,224 | 46,60 |
| | Oct. 27 | 30,412 | 49,29 | | Oct. 27 | 7,336 | 46,37 |
| | Dec. 66 | 30,294 | 49,41 | | Dec. 66 | 7,447 | 46,08 |
| 1792 | Jan. 1 | 7 32 34,022 | +28 30 41,41 | 1802 | Jan. 0 | 7 33 11,098 | +28 29 38,19 |
| | Apr. 10 | 33,903 | 41,59 | | Apr. 10 | 11,208 | 37,85 |
| | Jul. 19 | 33,786 | 41,84 | | Jul. 19 | 11,314 | 37,45 |
| | Oct. 27 | 33,670 | 42,15 | | Oct. 27 | 11,417 | 37,00 |
| | Dec. 66 | 33,556 | 42,54 | | Dec. 66 | 11,516 | 36,48 |
| 1793 | Jan. 0 | 7 32 37,283 | +28 30 34,45 | 1803 | Jan. 0 | 7 33 15,171 | +28 29 28,66 |
| | Apr. 10 | 37,171 | 34,89 | | Apr. 10 | 15,267 | 28,11 |
| | Jul. 19 | 37,065 | 35,38 | | Jul. 19 | 15,356 | 27,51 |
| | Oct. 27 | 36,964 | 35,93 | | Oct. 27 | 15,439 | 26,87 |
| | Dec. 66 | 36,869 | 36,53 | | Dec. 66 | 15,515 | 26,18 |
| 1794 | Jan. 0 | 7 32 40,589 | +28 30 28,37 | 1804 | Jan. 1 | 7 33 19,178 | +28 29 18,41 |
| | Apr. 10 | 40,498 | 29,01 | | Apr. 10 | 19,249 | 17,70 |
| | Jul. 19 | 40,415 | 29,68 | | Jul. 19 | 19,311 | 16,97 |
| | Oct. 27 | 40,341 | 30,40 | | Oct. 27 | 19,364 | 16,21 |
| | Dec. 66 | 40,275 | 31,15 | | Dec. 66 | 19,409 | 15,43 |
| 1795 | Jan. 0 | 7 32 43,985 | +28 30 22,93 | 1805 | Jan. 0 | 7 33 23,082 | +28 29 7,68 |
| | Apr. 10 | 43,925 | 23,70 | | Apr. 10 | 23,120 | 6,89 |
| | Jul. 19 | 43,875 | 24,48 | | Jul. 19 | 23,148 | 6,10 |
| | Oct. 27 | 43,836 | 25,27 | | Oct. 27 | 23,166 | 5,31 |
| | Dec. 66 | 43,807 | 26,08 | | Dec. 66 | 23,173 | 4,52 |
| 1796 | Jan. 1 | 7 32 47,504 | +28 30 17,84 | 1806 | Jan. 0 | 7 33 26,859 | +28 28 56,77 |
| | Apr. 10 | 47,482 | 18,65 | | Apr. 10 | 26,859 | 55,99 |
| | Jul. 19 | 47,471 | 19,44 | | Jul. 19 | 26,849 | 55,23 |
| | Oct. 27 | 47,471 | 20,22 | | Oct. 27 | 26,828 | 54,49 |
| | Dec. 66 | 47,481 | 20,99 | | Dec. 66 | 26,796 | 53,78 |
| 1797 | Jan. 0 | 7 32 51,164 | +28 30 12,76 | 1807 | Jan. 0 | 7 33 30,495 | +28 28 45,99 |
| | Apr. 10 | 51,182 | 13,51 | | Apr. 10 | 30,456 | 45,30 |
| | Jul. 19 | 51,209 | 14,23 | | Jul. 19 | 30,408 | 44,66 |
| | Oct. 27 | 51,247 | 14,91 | | Oct. 27 | 30,349 | 44,06 |
| | Dec. 66 | 51,294 | 15,55 | | Dec. 66 | 30,283 | 43,52 |
| 1798 | Jan. 0 | 7 32 54,966 | +28 30 7,37 | 1808 | Jan. 1 | 7 33 33,994 | +28 28 35,67 |
| | Apr. 10 | 55,020 | 7,98 | | Apr. 10 | 33,920 | 35,16 |
| | Jul. 19 | 55,082 | 8,54 | | Jul. 19 | 33,838 | 34,72 |
| | Oct. 27 | 55,152 | 9,05 | | Oct. 27 | 33,749 | 34,34 |
| | Dec. 66 | 55,231 | 9,50 | | Dec. 66 | 33,652 | 34,02 |
| 1799 | Jan. 0 | 7 32 58,892 | +28 30 1,37 | 1809 | Jan. 0 | 7 33 37,373 | +28 28 26,09 |
| | Apr. 10 | 58,976 | 1,78 | | Apr. 10 | 37,272 | 25,82 |
| | Jul. 19 | 59,065 | 2,13 | | Jul. 19 | 37,166 | 25,62 |
| | Oct. 27 | 59,161 | 2,41 | | Oct. 27 | 37,056 | 25,50 |
| | Dec. 66 | 59,262 | 2,62 | | Dec. 66 | 36,941 | 25,46 |

## Tabulae X. Sect. III. β *Geminorum.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,504 | +19,0 | − 4,15 | + 0,7 | −1 | −2 | 1790 | 7 32 26,5932 | +28 31 5,930 |
| 10 | +1,669 | +13,8 | − 3,98 | + 2,5 | −1 | −3 | 1791 | 32 30,2825 | 30 57,988 |
| 20 | +1,780 | + 8,2 | − 3,66 | + 4,0 | 0 | −3 | 1792 | 32 33,9716 | 30 50,041 |
| 30 | +1,833 | + 2,5 | − 3,19 | + 5,2 | +1 | −3 | 1793 | 32 37,6606 | 30 42,089 |
| Febr. 9 | +1,830 | − 3,0 | − 2,62 | + 6,1 | +1 | −3 | 1794 | 32 41,3495 | 30 34,133 |
| | | | | | | | 1795 | 32 45,0383 | 30 26,172 |
| 19 | +1,774 | − 8,0 | − 1,98 | + 6,5 | +2 | −3 | 1796 | 32 48,7270 | 30 18,205 |
| Mart. 1 | +1,671 | −12,2 | − 1,33 | + 6,4 | +2 | −3 | 1797 | 32 52,4155 | 30 10,234 |
| 11 | +1,531 | −15,4 | − 0,70 | + 6,0 | +3 | −3 | 1798 | 32 56,1039 | 30 2,258 |
| 21 | +1,364 | −17,6 | − 0,14 | + 5,1 | +3 | −3 | 1799 | 32 59,7922 | 29 54,277 |
| 31 | +1,180 | −18,6 | + 0,31 | + 4,0 | +3 | −2 | 1800 | 33 3,4804 | 29 46,291 |
| | | | | | | | 1801 | 33 7,1684 | 29 38,300 |
| Apr. 10 | +0,993 | −18,4 | + 0,65 | + 2,8 | +4 | −2 | 1802 | 33 10,8563 | 29 30,304 |
| 20 | +0,812 | −17,3 | + 0,86 | + 1,4 | +4 | −2 | 1803 | 33 14,5441 | 29 22,303 |
| 30 | +0,648 | −15,2 | + 0,93 | + 0,1 | +3 | −1 | 1804 | 33 18,2318 | 29 14,297 |
| Maj. 10 | +0,509 | −12,3 | + 0,88 | − 1,1 | +3 | −1 | 1805 | 33 21,9194 | 29 6,287 |
| 20 | +0,402 | − 8,9 | + 0,71 | − 2,3 | +3 | −1 | 1806 | 33 25,6068 | 28 58,272 |
| | | | | | | | 1807 | 33 29,2941 | 28 50,252 |
| 30 | +0,331 | − 5,2 | + 0,43 | − 3,2 | +2 | −1 | 1808 | 33 32,9813 | 28 42,227 |
| Jun. 9 | +0,299 | − 1,2 | + 0,08 | − 3,9 | +2 | 0 | 1809 | 33 36,6684 | 28 34,197 |
| 19 | +0,303 | + 2,9 | − 0,34 | − 4,5 | +1 | 0 | 1810 | 33 40,3554 | 28 26,161 |
| 29 | +0,356 | + 6,8 | − 0,81 | − 4,9 | +1 | 0 | | | |
| Jul. 9 | +0,444 | +10,6 | − 1,32 | − 5,3 | 0 | 0 | | | |
| 19 | +0,568 | +14,1 | − 1,86 | − 5,6 | 0 | 0 | | | |
| 29 | +0,726 | +17,4 | − 2,43 | − 5,9 | −1 | 0 | | | |
| Aug. 8 | +0,915 | +20,3 | − 3,03 | − 6,2 | −2 | 0 | | | |
| 18 | +1,132 | +23,0 | − 3,66 | − 6,5 | −2 | −1 | | | |
| 28 | +1,375 | +25,4 | − 4,33 | − 6,9 | −3 | −1 | | | |
| Sept. 7 | +1,640 | +27,6 | − 5,04 | − 7,3 | −3 | −1 | | | |
| 17 | +1,926 | +29,6 | − 5,79 | − 7,7 | −4 | −2 | | | |
| 27 | +2,231 | +31,3 | − 6,58 | − 8,1 | −4 | −2 | | | |
| Oct. 7 | +2,551 | +32,6 | − 7,40 | − 8,3 | −5 | −3 | | | |
| 17 | +2,883 | +33,6 | − 8,24 | − 8,4 | −5 | −3 | | | |
| 27 | +3,223 | +34,2 | − 9,07 | − 8,1 | −5 | −4 | | | |
| Nov. 6 | +3,566 | +34,1 | − 9,86 | − 7,6 | −5 | −4 | | | |
| 16 | +3,905 | +33,4 | −10,58 | − 6,7 | −5 | −5 | | | |
| 26 | +4,233 | +31,9 | −11,20 | − 5,6 | −4 | −5 | | | |
| Dec. 6 | +4,542 | +29,4 | −11,69 | − 4,1 | −4 | −6 | | | |
| 16 | +4,821 | +26,1 | −12,01 | − 2,3 | −4 | −7 | | | |
| 26 | +5,064 | +22,0 | −12,15 | − 0,5 | −3 | −7 | | | |
| 36 | +5,260 | +17,1 | −12,10 | + 1,4 | −2 | −7 | | | |

Diei reducto addendum est:

ante } Jul. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Hydrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 9 17 16,759 | — 7 45 32,48 | 1800 | Jan. 0 | 9 17 44,882 | — 7 47 49,18 |
| | Apr. 10 | 16,697 | 32,53 | | Apr. 10 | 44,957 | 49,31 |
| | Jul. 19 | 16,629 | 32,51 | | Jul. 19 | 45,035 | 49,50 |
| | Oct. 27 | 16,556 | 32,42 | | Oct. 27 | 45,116 | 49,76 |
| | Dec. 66 | 16,478 | 32,27 | | Dec. 66 | 45,201 | 50,07 |
| 1791 | Jan. 0 | 9 17 19,452 | — 7 45 47,52 | 1801 | Jan. 0 | 9 17 48,120 | — 7 48 5,18 |
| | Apr. 10 | 19,370 | 47,32 | | Apr. 10 | 48,207 | 5,53 |
| | Jul. 19 | 19,285 | 47,06 | | Jul. 19 | 48,294 | 5,93 |
| | Oct. 27 | 19,197 | 46,73 | | Oct. 27 | 48,383 | 6,37 |
| | Dec. 66 | 19,106 | 46,34 | | Dec. 66 | 48,472 | 6,87 |
| 1792 | Jan. 1 | 9 17 22,085 | — 7 46 1,68 | 1802 | Jan. 0 | 9 17 51,390 | — 7 48 21,92 |
| | Apr. 10 | 21,992 | 1,25 | | Apr. 10 | 51,479 | 22,45 |
| | Jul. 19 | 21,899 | 0,77 | | Jul. 19 | 51,566 | 23,01 |
| | Oct. 27 | 21,806 | 0,25 | | Oct. 27 | 51,652 | 23,61 |
| | Dec. 66 | 21,714 | 45 59,67 | | Dec. 66 | 51,736 | 24,24 |
| 1793 | Jan. 0 | 9 17 24,692 | — 7 46 15,07 | 1803 | Jan. 0 | 9 17 54,656 | — 7 48 39,25 |
| | Apr. 10 | 24,601 | 14,47 | | Apr. 10 | 54,738 | 39,89 |
| | Jul. 19 | 24,512 | 13,84 | | Jul. 19 | 54,816 | 40,56 |
| | Oct. 27 | 24,426 | 13,18 | | Oct. 27 | 54,891 | 41,25 |
| | Dec. 66 | 24,342 | 12,48 | | Dec. 66 | 54,961 | 41,96 |
| 1794 | Jan. 0 | 9 17 27,318 | — 7 46 27,92 | 1804 | Jan. 1 | 9 17 57,885 | — 7 48 56,95 |
| | Apr. 10 | 27,237 | 27,21 | | Apr. 10 | 57,952 | 57,65 |
| | Jul. 19 | 27,162 | 26,50 | | Jul. 19 | 58,013 | 58,35 |
| | Oct. 27 | 27,093 | 25,78 | | Oct. 27 | 58,067 | 59,05 |
| | Dec. 66 | 27,029 | 25,06 | | Dec. 66 | 58,116 | 59,75 |
| 1795 | Jan. 0 | 9 17 29,997 | — 7 46 40,51 | 1805 | Jan. 0 | 9 18 1,048 | — 7 49 14,75 |
| | Apr. 10 | 29,938 | 39,79 | | Apr. 10 | 1,092 | 15,43 |
| | Jul. 19 | 29,886 | 39,08 | | Jul. 19 | 1,128 | 16,09 |
| | Oct. 27 | 29,841 | 38,39 | | Oct. 27 | 1,156 | 16,72 |
| | Dec. 66 | 29,804 | 37,71 | | Dec. 66 | 1,177 | 17,33 |
| 1796 | Jan. 1 | 9 17 32,763 | — 7 46 53,14 | 1806 | Jan. 0 | 9 18 4,118 | — 7 49 32,36 |
| | Apr. 10 | 32,731 | 52,49 | | Apr. 10 | 4,134 | 32,95 |
| | Jul. 19 | 32,708 | 51,87 | | Jul. 19 | 4,141 | 33,49 |
| | Oct. 27 | 32,693 | 51,28 | | Oct. 27 | 4,139 | 33,99 |
| | Dec. 66 | 32,686 | 50,73 | | Dec. 66 | 4,129 | 34,44 |
| 1797 | Jan. 0 | 9 17 35,635 | — 7 47 6,12 | 1807 | Jan. 0 | 9 18 7,081 | — 7 49 49,53 |
| | Apr. 10 | 35,634 | 5,61 | | Apr. 10 | 7,065 | 49,94 |
| | Jul. 19 | 35,641 | 5,14 | | Jul. 19 | 7,041 | 50,30 |
| | Oct. 27 | 35,656 | 4,73 | | Oct. 27 | 7,009 | 50,60 |
| | Dec. 66 | 35,679 | 4,36 | | Dec. 66 | 6,969 | 50,84 |
| 1798 | Jan. 0 | 9 17 38,618 | — 7 47 19,69 | 1808 | Jan. 1 | 9 18 9,931 | — 7 50 6,01 |
| | Apr. 10 | 38,647 | 19,35 | | Apr. 10 | 9,885 | 6,20 |
| | Jul. 19 | 38,683 | 19,08 | | Jul. 19 | 9,833 | 6,33 |
| | Oct. 27 | 38,726 | 18,89 | | Oct. 27 | 9,773 | 6,39 |
| | Dec. 66 | 38,776 | 18,76 | | Dec. 66 | 9,707 | 6,39 |
| 1799 | Jan. 0 | 9 17 41,706 | — 7 47 34,01 | 1809 | Jan. 0 | 9 18 12,678 | — 7 50 21,64 |
| | Apr. 10 | 41,761 | 33,91 | | Apr. 10 | 12,607 | 21,59 |
| | Jul. 19 | 41,822 | 33,88 | | Jul. 19 | 12,532 | 21,47 |
| | Oct. 27 | 41,887 | 33,91 | | Oct. 27 | 12,452 | 21,29 |
| | Dec. 66 | 41,958 | 34,00 | | Dec. 66 | 12,367 | 21,04 |

## Tabulae X. Sect. III. *α Hydrae.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,058 | +24,6 | — 0,02 | —22,5 | —2 | +2 | 1790 | 9 17 15,9862 | — 7 45 24,717 |
| 10 | +1,286 | +20,6 | — 2,24 | —21,7 | —1 | +1 | 1791 | 17 18,9341 | 45 39,910 |
| 20 | +1,470 | +16,0 | — 4,35 | —20,3 | —1 | +1 | 1792 | 17 21,8820 | 45 55,105 |
| 30 | +1,606 | +11,1 | — 6,29 | —18,4 | 0 | +1 | 1793 | 17 24,8299 | 46 10,303 |
| Febr. 9 | +1,692 | + 6,2 | — 8,03 | —16,3 | 0 | 0 | 1794 | 17 27,7778 | 46 25,504 |
| | | | | | | | 1795 | 17 30,7256 | 46 40,707 |
| 19 | +1,729 | + 1,4 | — 9,54 | —13,9 | +1 | 0 | 1796 | 17 33,6734 | 46 55,913 |
| Mart. 1 | +1,720 | — 3,0 | —10,80 | —11,4 | +1 | 0 | 1797 | 17 36,6212 | 47 11,122 |
| 11 | +1,669 | — 6,8 | —11,81 | — 8,8 | +1 | —1 | 1798 | 17 39,5690 | 47 26,334 |
| 21 | +1,584 | — 9,9 | —12,56 | — 6,4 | +2 | —1 | 1799 | 17 42,5168 | 47 41,548 |
| 31 | +1,472 | —12,1 | —13,08 | — 4,0 | +2 | —1 | 1800 | 17 45,4646 | 47 56,765 |
| | | | | | | | 1801 | 17 48,4124 | 48 11,985 |
| Apr. 10 | +1,342 | —13,5 | —13,36 | — 1,7 | +2 | —2 | 1802 | 17 51,3601 | 48 27,207 |
| 20 | +1,202 | —14,1 | —13,42 | + 0,4 | +3 | —2 | 1803 | 17 54,3078 | 48 42,433 |
| 30 | +1,060 | —14,0 | —13,28 | + 2,4 | +3 | —2 | 1804 | 17 57,2555 | 48 57,661 |
| Maj. 10 | +0,922 | —13,3 | —12,94 | + 4,3 | +3 | —2 | 1805 | 18 0,2032 | 49 12,891 |
| 20 | +0,796 | —12,0 | —12,42 | + 6,0 | +3 | —2 | 1806 | 18 3,1509 | 49 28,125 |
| | | | | | | | 1807 | 18 6,0986 | 49 43,361 |
| 30 | +0,685 | —10,2 | —11,74 | + 7,6 | +3 | —2 | 1808 | 18 9,0463 | 49 58,600 |
| Jun. 9 | +0,593 | — 8,1 | —10,91 | + 9,0 | +2 | —3 | 1809 | 18 11,9939 | 50 13,841 |
| 19 | +0,524 | — 5,8 | — 9,95 | +10,1 | +2 | —3 | 1810 | 18 14,9415 | 50 29,086 |
| 29 | +0,477 | — 3,4 | — 8,89 | +11,1 | +2 | —3 | | | |
| Jul. 9 | +0,456 | — 0,9 | — 7,74 | +11,7 | +1 | —3 | | | |
| 19 | +0,460 | + 1,8 | — 6,56 | +11,9 | +1 | —3 | | | |
| 29 | +0,491 | + 4,4 | — 5,37 | +11,6 | +1 | —3 | | | |
| Aug. 8 | +0,548 | + 7,1 | — 4,24 | +10,9 | 0 | —2 | | | |
| 18 | +0,633 | + 9,9 | — 3,20 | + 9,7 | 0 | —2 | | | |
| 28 | +0,745 | +12,7 | — 2,31 | + 7,9 | —1 | —2 | | | |
| Sept. 7 | +0,887 | +15,7 | — 1,62 | + 5,6 | —1 | —2 | | | |
| 17 | +1,058 | +18,5 | — 1,19 | + 2,8 | —2 | —2 | | | |
| 27 | +1,257 | +21,4 | — 1,06 | — 0,3 | —2 | —2 | | | |
| Oct. 7 | +1,485 | +24,2 | — 1,25 | — 3,7 | —2 | —1 | | | |
| 17 | +1,740 | +26,7 | — 1,80 | — 7,3 | —3 | —1 | | | |
| 27 | +2,019 | +28,9 | — 2,70 | — 9,7 | —3 | —1 | | | |
| Nov. 6 | +2,317 | +30,5 | — 3,94 | —14,0 | —3 | —1 | | | |
| 16 | +2,629 | +31,5 | — 5,50 | —17,0 | —3 | —1 | | | |
| 26 | +2,947 | +31,7 | — 7,34 | —19,4 | —3 | —1 | | | |
| Dec. 6 | +3,262 | +30,9 | — 9,38 | —21,2 | —3 | —1 | | | |
| 16 | +3,565 | +29,2 | —11,57 | —22,3 | —3 | —1 | | | |
| 26 | +3,846 | +26,6 | —13,83 | —22,6 | —2 | —1 | | | |
| 36 | +4,097 | +23,2 | —16,08 | —22,3 | —2 | —1 | | | |

Diei reducto addendum est:

ante } Aug. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Leonis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 9 57 11,033 | +12 59 4,44 | 1800 | Jan. 0 | 9 57 41,915 | +12 56 26,21 |
| | Apr. 10 | 10,953 | 4,52 | | Apr. 10 | 42,005 | 25,97 |
| | Jul. 19 | 10,869 | 4,66 | | Jul. 19 | 42,098 | 25,67 |
| | Oct. 27 | 10,779 | 4,86 | | Oct. 27 | 42,192 | 25,32 |
| | Dec. 66 | 10,685 | 5,13 | | Dec. 66 | 42,289 | 24,92 |
| 1791 | Jan. 0 | 9 57 13,925 | +12 58 47,80 | 1801 | Jan. 0 | 9 57 45,464 | +12 56 7,79 |
| | Apr. 10 | 13,828 | 48,11 | | Apr. 10 | 45,562 | 7,36 |
| | Jul. 19 | 13,729 | 48,47 | | Jul. 19 | 45,659 | 6,89 |
| | Oct. 27 | 13,628 | 48,88 | | Oct. 27 | 45,756 | 6,38 |
| | Dec. 66 | 13,526 | 49,35 | | Dec. 66 | 45,852 | 5,83 |
| 1792 | Jan. 1 | 9 57 16,769 | +12 58 31,95 | 1802 | Jan. 0 | 9 57 49,027 | +12 55 48,75 |
| | Apr. 10 | 16,666 | 32,45 | | Apr. 10 | 49,122 | 48,18 |
| | Jul. 19 | 16,564 | 32,99 | | Jul. 19 | 49,214 | 47,58 |
| | Oct. 27 | 16,464 | 33,56 | | Oct. 27 | 49,303 | 46,96 |
| | Dec. 66 | 16,366 | 34,18 | | Dec. 66 | 49,388 | 46,32 |
| 1793 | Jan. 0 | 9 57 19,607 | +12 58 16,72 | 1803 | Jan. 0 | 9 57 52,567 | +12 55 29,27 |
| | Apr. 10 | 19,511 | 17,36 | | Apr. 10 | 52,649 | 28,62 |
| | Jul. 19 | 19,419 | 18,01 | | Jul. 19 | 52,726 | 27,96 |
| | Oct. 27 | 19,332 | 18,68 | | Oct. 27 | 52,797 | 27,30 |
| | Dec. 66 | 19,250 | 19,37 | | Dec. 66 | 52,862 | 26,63 |
| 1794 | Jan. 0 | 9 57 22,485 | +12 58 1,89 | 1804 | Jan. 1 | 9 57 56,048 | +12 55 9,58 |
| | Apr. 10 | 22,407 | 2,58 | | Apr. 10 | 56,109 | 8,91 |
| | Jul. 19 | 22,336 | 3,26 | | Jul. 19 | 56,162 | 8,26 |
| | Oct. 27 | 22,272 | 3,94 | | Oct. 27 | 56,207 | 7,63 |
| | Dec. 66 | 22,216 | 4,62 | | Dec. 66 | 56,245 | 7,01 |
| 1795 | Jan. 0 | 9 57 25,442 | +12 57 47,14 | 1805 | Jan. 0 | 9 57 59,441 | +12 54 49,94 |
| | Apr. 10 | 25,391 | 47,80 | | Apr. 10 | 59,473 | 49,33 |
| | Jul. 19 | 25,349 | 48,44 | | Jul. 19 | 59,496 | 48,76 |
| | Oct. 27 | 25,316 | 49,05 | | Oct. 27 | 59,510 | 48,22 |
| | Dec. 66 | 25,291 | 49,64 | | Dec. 66 | 59,516 | 47,72 |
| 1796 | Jan. 1 | 9 57 28,507 | +12 57 32,20 | 1806 | Jan. 0 | 9 58 2,722 | +12 54 30,61 |
| | Apr. 10 | 28,488 | 32,76 | | Apr. 10 | 2,722 | 30,14 |
| | Jul. 19 | 28,479 | 33,27 | | Jul. 19 | 2,712 | 29,71 |
| | Oct. 27 | 28,479 | 33,75 | | Oct. 27 | 2,693 | 29,34 |
| | Dec. 66 | 28,489 | 34,18 | | Dec. 66 | 2,665 | 29,01 |
| 1797 | Jan. 0 | 9 57 31,693 | +12 57 16,79 | 1807 | Jan. 0 | 9 58 5,882 | +12 54 11,84 |
| | Apr. 10 | 31,709 | 17,18 | | Apr. 10 | 5,848 | 11,55 |
| | Jul. 19 | 31,733 | 17,52 | | Jul. 19 | 5,806 | 11,32 |
| | Oct. 27 | 31,766 | 17,81 | | Oct. 27 | 5,755 | 11,16 |
| | Dec. 66 | 31,808 | 18,04 | | Dec. 66 | 5,696 | 11,05 |
| 1798 | Jan. 0 | 9 57 35,001 | +12 57 0,71 | 1808 | Jan. 1 | 9 58 8,923 | +12 53 53,80 |
| | Apr. 10 | 35,048 | 0,91 | | Apr. 10 | 8,859 | 53,74 |
| | Jul. 19 | 35,102 | 1,04 | | Jul. 19 | 8,788 | 53,74 |
| | Oct. 27 | 35,164 | 1,11 | | Oct. 27 | 8,711 | 53,81 |
| | Dec. 66 | 35,233 | 1,12 | | Dec. 66 | 8,627 | 53,94 |
| 1799 | Jan. 0 | 9 57 38,417 | +12 56 43,86 | 1809 | Jan. 0 | 9 58 11,862 | +12 53 36,60 |
| | Apr. 10 | 38,490 | 43,83 | | Apr. 10 | 11,774 | 36,78 |
| | Jul. 19 | 38,567 | 43,75 | | Jul. 19 | 11,683 | 37,01 |
| | Oct. 27 | 38,650 | 43,60 | | Oct. 27 | 11,588 | 37,31 |
| | Dec. 66 | 38,738 | 43,39 | | Dec. 66 | 11,489 | 37,66 |

## Tabulae X. Sect. III. *α Leonis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,896 | +28,7 | − 5,22 | −14,8 | −3 | +1 | 1790 | 9 57 10,3165 | +12 59 11,828 |
| 10 | +1,167 | +25,2 | − 6,59 | −12,5 | −2 | 0 | 1791 | 57 13,5250 | 58 54,587 |
| 20 | +1,400 | +21,0 | − 7,72 | −10,0 | −2 | 0 | 1792 | 57 16,7333 | 58 37,344 |
| 30 | +1,587 | +16,3 | − 8,58 | − 7,3 | −2 | −1 | 1793 | 57 19,9416 | 58 20,098 |
| Febr. 9 | +1,725 | +11,3 | − 9,18 | − 4,7 | −1 | −1 | 1794 | 57 23,1497 | 58 2,850 |
| | | | | | | | 1795 | 57 26,3578 | 57 45,599 |
| 19 | +1,812 | + 6,3 | − 9,51 | − 2,1 | 0 | −1 | 1796 | 57 29,5657 | 57 28,346 |
| Mart. 1 | +1,851 | + 1,6 | − 9,60 | + 0,2 | 0 | −2 | 1797 | 57 32,7736 | 57 11,091 |
| 11 | +1,843 | − 2,8 | − 9,48 | + 2,1 | +1 | −2 | 1798 | 57 35,9813 | 56 53,834 |
| 21 | +1,796 | − 6,3 | − 9,19 | + 3,6 | +1 | −2 | 1799 | 57 39,1890 | 56 36,574 |
| 31 | +1,718 | − 9,1 | − 8,77 | + 4,7 | +2 | −2 | 1800 | 57 42,3965 | 56 19,312 |
| | | | | | | | 1801 | 57 45,6039 | 56 2,048 |
| Apr. 10 | +1,614 | −11,2 | − 8,26 | + 5,4 | +2 | −3 | 1802 | 57 48,8113 | 55 44,781 |
| 20 | +1,494 | −12,4 | − 7,69 | + 5,8 | +2 | −3 | 1803 | 57 52,0185 | 55 27,512 |
| 30 | +1,366 | −12,9 | − 7,11 | + 5,8 | +3 | −3 | 1804 | 57 55,2257 | 55 10,241 |
| Maj. 10 | +1,237 | −12,7 | − 6,53 | + 5,7 | +3 | −2 | 1805 | 57 58,4327 | 54 52,966 |
| 20 | +1,113 | −11,9 | − 5,98 | + 5,4 | +3 | −2 | 1806 | 58 1,6396 | 54 35,690 |
| | | | | | | | 1807 | 58 4,8464 | 54 18,412 |
| 30 | +1,000 | −10,6 | − 5,47 | + 4,9 | +3 | −2 | 1808 | 58 8,0531 | 54 1,131 |
| Jun. 9 | +0,901 | − 9,0 | − 5,02 | + 4,2 | +3 | −2 | 1809 | 58 11,2597 | 53 43,848 |
| 19 | +0,820 | − 7,1 | − 4,63 | + 3,5 | +2 | −2 | 1810 | 58 14,4663 | 53 26,563 |
| 29 | +0,759 | − 5,1 | − 4,32 | + 2,8 | +2 | −2 | | | |
| Jul. 9 | +0,719 | − 2,9 | − 4,08 | + 1,9 | +2 | −1 | | | |
| 19 | +0,701 | − 0,6 | − 3,94 | + 0,9 | +1 | −1 | | | |
| 29 | +0,707 | + 1,9 | − 3,91 | − 0,3 | +1 | −1 | | | |
| Aug. 8 | +0,738 | + 4,4 | − 4,00 | − 1,6 | 0 | −1 | | | |
| 18 | +0,795 | + 7,1 | − 4,22 | − 3,0 | 0 | −1 | | | |
| 28 | +0,879 | + 9,8 | − 4,60 | − 4,7 | −1 | 0 | | | |
| Sept. 7 | +0,991 | +12,7 | − 5,15 | − 6,5 | −1 | 0 | | | |
| 17 | +1,133 | +15,8 | − 5,90 | − 8,5 | −2 | 0 | | | |
| 27 | +1,306 | +18,9 | − 6,84 | −10,5 | −2 | 0 | | | |
| Oct. 7 | +1,510 | +22,0 | − 7,99 | −12,5 | −3 | 0 | | | |
| 17 | +1,746 | +25,1 | − 9,34 | −14,4 | −3 | 0 | | | |
| 27 | +2,011 | +27,8 | −10,87 | −16,1 | −4 | 0 | | | |
| Nov. 6 | +2,302 | +30,2 | −12,55 | −17,4 | −4 | 0 | | | |
| 16 | +2,614 | +32,0 | −14,34 | −18,2 | −4 | 0 | | | |
| 26 | +2,941 | +33,0 | −16,19 | −18,6 | −4 | 0 | | | |
| Dec. 6 | +3,274 | +33,1 | −18,05 | −18,3 | −4 | −1 | | | |
| 16 | +3,603 | +32,3 | −19,85 | −17,4 | −4 | −1 | | | |
| 26 | +3,919 | +30,4 | −21,53 | −15,9 | −4 | −1 | | | |
| 36 | +4,210 | +27,5 | −23,03 | −14,0 | −4 | −2 | | | |

Diei reducto addendum est:

ante } Aug. 20 { + 1
post } Aug. 20 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Leonis*.

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 11h 38′ 20″,849 | +15° 44′ 36″,88 |
| | Apr. 10 | 20,768 | 37,27 |
| | Jul. 19 | 20,684 | 37,70 |
| | Oct. 27 | 20,695 | 38,17 |
| | Dec. 66 | 20,501 | 38,68 |
| 1791 | Jan. 0 | 11 38 23,602 | +15 44 18,43 |
| | Apr. 10 | 23,506 | 18,97 |
| | Jul. 19 | 23,409 | 19,53 |
| | Oct. 27 | 23,311 | 19,11 |
| | Dec. 66 | 23,212 | 20,72 |
| 1792 | Jan. 1 | 11 38 26,314 | +15 44 0,44 |
| | Apr. 10 | 26,215 | 1,06 |
| | Jul. 19 | 26,117 | 1,69 |
| | Oct. 27 | 26,022 | 2,32 |
| | Dec. 66 | 25,928 | 2,95 |
| 1793 | Jan. 0 | 11 38 29,028 | +15 43 42,67 |
| | Apr. 10 | 28,937 | 43,30 |
| | Jul. 19 | 28,851 | 43,91 |
| | Oct. 27 | 28,770 | 44,51 |
| | Dec. 66 | 28,693 | 45,09 |
| 1794 | Jan. 0 | 11 38 31,787 | +15 43 24,83 |
| | Apr. 10 | 31,714 | 25,40 |
| | Jul. 19 | 31,649 | 25,92 |
| | Oct. 27 | 31,591 | 26,42 |
| | Dec. 66 | 31,541 | 26,88 |
| 1795 | Jan. 0 | 11 38 34,626 | +15 43 6,65 |
| | Apr. 10 | 34,581 | 7,08 |
| | Jul. 19 | 34,545 | 7,47 |
| | Oct. 27 | 34,518 | 7,80 |
| | Dec. 66 | 34,499 | 8,09 |
| 1796 | Jan. 1 | 11 38 37,573 | +15 42 47,93 |
| | Apr. 10 | 37,560 | 47,18 |
| | Jul. 19 | 37,556 | 48,38 |
| | Oct. 27 | 37,561 | 48,52 |
| | Dec. 66 | 37,576 | 48,61 |
| 1797 | Jan. 0 | 11 38 40,639 | +15 42 28,51 |
| | Apr. 10 | 40,659 | 28,56 |
| | Jul. 19 | 40,688 | 28,55 |
| | Oct. 27 | 40,724 | 28,48 |
| | Dec. 66 | 40,769 | 28,36 |
| 1798 | Jan. 0 | 11 38 43,822 | +15 42 8,33 |
| | Apr. 10 | 43,872 | 8,17 |
| | Jul. 19 | 43,929 | 7,97 |
| | Oct. 27 | 43,992 | 7,71 |
| | Dec. 66 | 44,062 | 7,40 |
| 1799 | Jan. 0 | 11 38 47,107 | +15 41 47,43 |
| | Apr. 10 | 47,181 | 47,09 |
| | Jul. 19 | 47,259 | 46,70 |
| | Oct. 27 | 47,341 | 46,28 |
| | Dec. 66 | 47,428 | 45,82 |
| 1800 | Jan. 0 | 11h 38′ 50″,467 | +15° 41′ 25″,90 |
| | Apr. 10 | 50,556 | 25,41 |
| | Jul. 19 | 50,647 | 24,90 |
| | Oct. 27 | 50,740 | 24,36 |
| | Dec. 66 | 50,834 | 23,80 |
| 1801 | Jan. 0 | 11 38 53,871 | +15 41 3,92 |
| | Apr. 10 | 53,966 | 3,34 |
| | Jul. 19 | 54,060 | 2,76 |
| | Oct. 27 | 54,153 | 2,16 |
| | Dec. 66 | 54,245 | 1,56 |
| 1802 | Jan. 0 | 11 38 57,283 | +15 40 41,68 |
| | Apr. 10 | 57,374 | 41,08 |
| | Jul. 19 | 57,461 | 40,48 |
| | Oct. 27 | 57,545 | 39,89 |
| | Dec. 66 | 57,625 | 39,30 |
| 1803 | Jan. 0 | 11 39 0,667 | +15 40 19,42 |
| | Apr. 10 | 0,744 | 18,85 |
| | Jul. 19 | 0,815 | 18,30 |
| | Oct. 27 | 0,881 | 17,78 |
| | Dec. 66 | 0,940 | 17,28 |
| 1804 | Jan. 1 | 11 39 3,989 | +15 39 57,37 |
| | Apr. 10 | 4,044 | 56,89 |
| | Jul. 19 | 4,092 | 56,45 |
| | Oct. 27 | 4,131 | 56,06 |
| | Dec. 66 | 4,163 | 55,70 |
| 1805 | Jan. 0 | 11 39 7,222 | +15 39 35,73 |
| | Apr. 10 | 7,248 | 35,40 |
| | Jul. 19 | 7,266 | 35,13 |
| | Oct. 27 | 7,275 | 34,90 |
| | Dec. 66 | 7,276 | 34,73 |
| 1806 | Jan. 0 | 11 39 10,345 | +15 39 14,70 |
| | Apr. 10 | 10,339 | 14,56 |
| | Jul. 19 | 10,325 | 14,48 |
| | Oct. 27 | 10,302 | 14,46 |
| | Dec. 66 | 10,270 | 14,49 |
| 1807 | Jan. 0 | 11 39 13,350 | +15 38 54,39 |
| | Apr. 10 | 13,313 | 54,46 |
| | Jul. 19 | 13,267 | 54,59 |
| | Oct. 27 | 13,213 | 54,78 |
| | Dec. 66 | 13,152 | 55,02 |
| 1808 | Jan. 1 | 11 39 16,242 | +15 38 34,85 |
| | Apr. 10 | 16,176 | 35,12 |
| | Jul. 19 | 16,104 | 35,45 |
| | Oct. 27 | 16,026 | 35,82 |
| | Dec. 66 | 15,942 | 36,25 |
| 1809 | Jan. 0 | 11 39 19,038 | +15 38 16,02 |
| | Apr. 10 | 18,951 | 16,48 |
| | Jul. 19 | 18,860 | 16,97 |
| | Oct. 27 | 18,767 | 17,50 |
| | Dec. 66 | 18,670 | 18,05 |

## Tabulae X. Sect. III. β *Leonis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,359 | +33,2 | − 6,82 | −18,3 | −3 | +2 | 1790 | 11 38 20,1956 | +15 44 42,380 |
| 10 | +0,683 | +31,3 | − 8,52 | −15,6 | −3 | +1 | 1791 | 38 23,2649 | 44 22,307 |
| 20 | +0,985 | +28,6 | − 9,94 | −12,6 | −3 | +1 | 1792 | 38 26,3342 | 44 2,234 |
| 30 | +1,254 | +25,0 | −11,04 | − 9,3 | −3 | 0 | 1793 | 38 29,4034 | 43 42,161 |
| Febr. 9 | +1,484 | +20,8 | −11,79 | − 5,8 | −2 | 0 | 1794 | 38 32,4725 | 43 22,087 |
| | | | | | | | 1795 | 38 35,5416 | 43 2,013 |
| 19 | +1,670 | +16,4 | −12,20 | − 2,5 | −2 | −1 | 1796 | 38 38,6106 | 42 41,938 |
| Mart. 1 | +1,811 | +11,8 | −12,28 | + 0,7 | −1 | −1 | 1797 | 38 41,6795 | 42 21,863 |
| 11 | +1,906 | + 7,4 | −12,06 | + 3,5 | −1 | −1 | 1798 | 38 44,7483 | 42 1,788 |
| 21 | +1,958 | + 3,3 | −11,59 | + 5,7 | 0 | −2 | 1799 | 38 47,8170 | 41 41,712 |
| 31 | +1,972 | − 0,4 | −10,92 | + 7,5 | 0 | −2 | 1800 | 38 50,8856 | 41 21,636 |
| | | | | | | | 1801 | 38 53,9542 | 41 1,560 |
| Apr. 10 | +1,951 | − 3,5 | −10,09 | + 8,7 | +1 | −2 | 1802 | 38 57,0227 | 40 41,483 |
| 20 | +1,903 | − 5,9 | − 9,18 | + 9,4 | +1 | −2 | 1803 | 39 0,0911 | 40 21,406 |
| 30 | +1,833 | − 7,9 | − 8,22 | + 9,6 | +2 | −2 | 1804 | 39 3,1594 | 40 1,329 |
| Maj. 10 | +1,746 | − 9,2 | − 7,27 | + 9,3 | +2 | −2 | 1805 | 39 6,2277 | 39 41,251 |
| 20 | +1,649 | −10,1 | − 6,36 | + 8,7 | +2 | −2 | 1806 | 39 9,2959 | 39 21,173 |
| | | | | | | | 1807 | 39 12,3640 | 39 1,095 |
| 30 | +1,545 | −10,5 | − 5,53 | + 7,8 | +3 | −2 | 1808 | 39 15,4320 | 38 41,016 |
| Jun. 9 | +1,440 | −10,5 | − 4,81 | + 6,6 | +3 | −2 | 1809 | 39 18,5000 | 38 20,937 |
| 19 | +1,336 | −10,4 | − 4,21 | + 5,3 | +3 | −2 | 1810 | 39 21,5679 | 38 0,856 |
| 29 | +1,236 | − 9,7 | − 3,75 | + 3,8 | +3 | −2 | | | |
| Jul. 9 | +1,142 | − 8,9 | − 3,45 | + 2,2 | +3 | −1 | | | |
| 19 | +1,058 | − 7,8 | − 3,31 | + 0,6 | +2 | −1 | | | |
| 29 | +0,986 | − 6,5 | − 3,34 | − 1,3 | +2 | −1 | | | |
| Aug. 8 | +0,928 | − 4,9 | − 3,56 | − 3,1 | +2 | 0 | | | |
| 18 | +0,889 | − 2,8 | − 3,96 | − 5,1 | +1 | 0 | | | |
| 28 | +0,872 | − 0,5 | − 4,57 | − 7,2 | +1 | 0 | | | |
| Sept. 7 | +0,880 | + 2,3 | − 5,39 | − 9,3 | 0 | 0 | | | |
| 17 | +0,918 | + 5,5 | − 6,43 | −11,5 | 0 | +1 | | | |
| 27 | +0,989 | + 9,0 | − 7,69 | −13,7 | −1 | +1 | | | |
| Oct. 7 | +1,098 | +12,9 | − 9,17 | −15,9 | −1 | +1 | | | |
| 17 | +1,246 | +16,8 | −10,86 | −17,9 | −2 | +2 | | | |
| 27 | +1,434 | +20,8 | −12,75 | −19,7 | −2 | +2 | | | |
| Nov. 6 | +1,662 | +24,6 | −14,80 | −21,1 | −3 | +2 | | | |
| 16 | +1,926 | +28,0 | −16,97 | −22,1 | −3 | +2 | | | |
| 26 | +2,222 | +30,8 | −19,21 | −22,5 | −4 | +2 | | | |
| Dec. 6 | +2,542 | +32,8 | −21,46 | −22,2 | −4 | +2 | | | |
| 16 | +2,877 | +33,8 | −23,65 | −21,3 | −4 | +2 | | | |
| 26 | +3,217 | +33,7 | −25,71 | −19,6 | −4 | +2 | | | |
| 36 | +3,551 | +32,7 | −27,57 | −17,4 | −4 | +1 | | | |

Diei reducto addendum est:

ante } Sept. 16 { + 1
post } Sept. 16 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 11 39 46,125 | + 2 56 45,87 | 1800 | Jan. 0 | 11 40 16,103 | + 2 53 32,75 |
| | Apr. 10 | 46,054 | 46,26 | | Apr. 10 | 16,185 | 32,26 |
| | Jul. 19 | 45,978 | 46,69 | | Jul. 19 | 16,270 | 31,75 |
| | Oct. 27 | 45,897 | 47,17 | | Oct. 27 | 16,358 | 31,21 |
| | Dec. 66 | 45,811 | 47,68 | | Dec. 66 | 16,449 | 30,64 |
| 1791 | Jan. 0 | 11 39 48,965 | + 2 56 27,23 | 1801 | Jan. 0 | 11 40 19,543 | + 2 53 10,55 |
| | Apr. 10 | 48,876 | 27,77 | | Apr. 10 | 19,634 | 9,97 |
| | Jul. 19 | 48,784 | 28,33 | | Jul. 19 | 19,726 | 9,39 |
| | Oct. 27 | 48,690 | 28,92 | | Oct. 27 | 19,818 | 8,79 |
| | Dec. 66 | 48,593 | 29,53 | | Dec. 66 | 19,911 | 8,18 |
| 1792 | Jan. 1 | 11 39 51,750 | + 2 56 9,04 | 1802 | Jan. 0 | 11 40 23,004 | + 2 52 48,10 |
| | Apr. 10 | 51,453 | 9,66 | | Apr. 10 | 23,096 | 47,50 |
| | Jul. 19 | 51,556 | 10,28 | | Jul. 19 | 23,185 | 46,90 |
| | Oct. 27 | 51,461 | 10,91 | | Oct. 27 | 23,272 | 46,31 |
| | Dec. 66 | 51,366 | 11,55 | | Dec. 66 | 23,356 | 45,73 |
| 1793 | Jan. 0 | 11 39 54,522 | + 2 55 51,06 | 1803 | Jan. 0 | 11 40 26,453 | + 2 52 25,64 |
| | Apr. 10 | 54,428 | 51,69 | | Apr. 10 | 26,535 | 25,07 |
| | Jul. 19 | 54,338 | 52,30 | | Jul. 19 | 26,612 | 24,53 |
| | Oct. 27 | 54,252 | 52,89 | | Oct. 27 | 26,684 | 24,01 |
| | Dec. 66 | 54,170 | 53,47 | | Dec. 66 | 26,751 | 23,51 |
| 1794 | Jan. 0 | 11 39 57,322 | + 2 55 33,00 | 1804 | Jan. 1 | 11 40 29,854 | + 2 52 3,39 |
| | Apr. 10 | 57,243 | 33,56 | | Apr. 10 | 29,917 | 2,91 |
| | Jul. 19 | 57,170 | 34,09 | | Jul. 19 | 29,974 | 2,48 |
| | Oct. 27 | 57,104 | 34,58 | | Oct. 27 | 30,023 | 2,09 |
| | Dec. 66 | 57,045 | 35,04 | | Dec. 66 | 30,066 | 1,73 |
| 1795 | Jan. 0 | 11 40 0,188 | + 2 55 14,61 | 1805 | Jan. 0 | 11 40 33,177 | + 2 51 41,56 |
| | Apr. 10 | 0,134 | 15,04 | | Apr. 10 | 33,215 | 41,24 |
| | Jul. 19 | 0,087 | 15,42 | | Jul. 19 | 33,244 | 40,97 |
| | Oct. 27 | 0,048 | 15,75 | | Oct. 27 | 33,265 | 40,75 |
| | Dec. 66 | 0,018 | 16,04 | | Dec. 66 | 33,278 | 40,57 |
| 1796 | Jan. 1 | 11 40 3,152 | + 2 54 55,67 | 1806 | Jan. 0 | 11 40 36,399 | + 2 51 20,34 |
| | Apr. 10 | 3,127 | 55,92 | | Apr. 10 | 36,406 | 20,21 |
| | Jul. 19 | 3,111 | 56,11 | | Jul. 19 | 36,405 | 20,13 |
| | Oct. 27 | 3,104 | 56,24 | | Oct. 27 | 36,394 | 20,11 |
| | Dec. 66 | 3,105 | 56,32 | | Dec. 66 | 36,375 | 20,15 |
| 1797 | Jan. 0 | 11 40 6,228 | + 2 54 36,02 | 1807 | Jan. 0 | 11 40 39,507 | + 2 50 59,84 |
| | Apr. 10 | 6,236 | 36,06 | | Apr. 10 | 39,482 | 59,92 |
| | Jul. 19 | 6,252 | 36,05 | | Jul. 19 | 39,449 | 51 0,05 |
| | Oct. 27 | 6,276 | 35,98 | | Oct. 27 | 39,408 | 0,24 |
| | Dec. 66 | 6,308 | 35,85 | | Dec. 66 | 39,358 | 0,49 |
| 1798 | Jan. 0 | 11 40 9,421 | + 2 54 15,62 | 1808 | Jan. 1 | 11 40 42,500 | + 2 50 40,11 |
| | Apr. 10 | 9,460 | 15,46 | | Apr. 10 | 42,445 | 40,39 |
| | Jul. 19 | 9,505 | 15,24 | | Jul. 19 | 42,383 | 40,72 |
| | Oct. 27 | 9,557 | 14,98 | | Oct. 27 | 42,315 | 41,10 |
| | Dec. 66 | 9,616 | 14,66 | | Dec. 66 | 42,240 | 41,53 |
| 1799 | Jan. 0 | 11 40 12,720 | + 2 53 54,49 | 1809 | Jan. 0 | 11 40 45,390 | + 2 50 21,10 |
| | Apr. 10 | 12,784 | 54,15 | | Apr. 10 | 45,311 | 21,56 |
| | Jul. 19 | 12,853 | 53,76 | | Jul. 19 | 45,228 | 22,05 |
| | Oct. 27 | 12,927 | 53,33 | | Oct. 27 | 45,141 | 22,58 |
| | Dec. 66 | 13,006 | 52,87 | | Dec. 66 | 45,050 | 23,14 |

## Tabulae X. Sect. III. β Virginis.

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,346 | +32,5 | — 2,56 | —20,9 | —3 | +2 |
| 10 | +0,663 | +30,6 | — 4,58 | —19,5 | —3 | +2 |
| 20 | +0,957 | +27,9 | — 6,45 | —17,6 | —3 | +2 |
| 30 | +1,220 | +24,4 | — 8,10 | —15,2 | —2 | +1 |
| Febr. 9 | +1,444 | +20,4 | — 9,49 | —12,6 | —2 | +1 |
| 19 | +1,627 | +16,1 | —10,61 | — 9,8 | —1 | +1 |
| Mart. 1 | +1,766 | +11,7 | —11,45 | — 7,1 | —1 | 0 |
| 11 | +1,861 | + 7,5 | —12,02 | — 4,4 | 0 | 0 |
| 21 | +1,916 | + 3,7 | —12,33 | — 2,0 | 0 | —1 |
| 31 | +1,935 | + 0,3 | —12,41 | + 0,2 | +1 | —1 |
| Apr. 10 | +1,922 | — 2,6 | —12,30 | + 2,0 | +1 | —1 |
| 20 | +1,883 | — 5,0 | —12,02 | + 3,4 | +2 | —1 |
| 30 | +1,823 | — 6,8 | —11,62 | + 4,5 | +2 | —2 |
| Maj. 10 | +1,748 | — 8,0 | —11,13 | + 5,3 | +2 | —2 |
| 20 | +1,663 | — 8,9 | —10,57 | + 5,8 | +3 | —2 |
| 30 | +1,571 | — 9,4 | — 9,98 | + 6,0 | +3 | —2 |
| Jun. 9 | +1,476 | — 9,5 | — 9,37 | + 6,1 | +3 | —2 |
| 19 | +1,382 | — 9,3 | — 8,77 | + 6,0 | +3 | —2 |
| 29 | +1,290 | — 8,9 | — 8,18 | + 5,8 | +3 | —2 |
| Jul. 9 | +1,204 | — 8,3 | — 7,62 | + 5,3 | +3 | —2 |
| 19 | +1,125 | — 7,4 | — 7,12 | + 4,7 | +3 | —2 |
| 29 | +1,057 | — 6,1 | — 6,69 | + 3,9 | +2 | —1 |
| Aug. 8 | +1,003 | — 4,6 | — 6,35 | + 2,8 | +2 | —1 |
| 18 | +0,965 | — 2,7 | — 6,13 | + 1,5 | +2 | —1 |
| 28 | +0,949 | — 0,4 | — 6,05 | 0,0 | +1 | —1 |
| Sept. 7 | +0,957 | + 2,3 | — 6,13 | — 1,9 | +1 | —1 |
| 17 | +0,995 | + 5,5 | — 6,42 | — 4,0 | 0 | 0 |
| 27 | +1,067 | + 9,0 | — 6,92 | — 6,3 | 0 | 0 |
| Oct. 7 | +1,174 | +12,7 | — 7,67 | — 8,8 | —1 | 0 |
| 17 | +1,321 | +16,7 | — 8,68 | —11,4 | —1 | +1 |
| 27 | +1,508 | +20,7 | — 9,95 | —13,9 | —2 | +1 |
| Nov. 6 | +1,734 | +24,4 | —11,46 | —16,3 | —2 | +1 |
| 16 | +1,995 | +27,7 | —13,21 | —18,4 | —3 | +2 |
| 26 | +2,287 | +30,4 | —15,14 | —20,0 | —3 | +2 |
| Dec. 6 | +2,602 | +32,3 | —17,21 | —21,1 | —3 | +2 |
| 16 | +2,932 | +33,2 | —19,36 | —21,6 | —3 | +2 |
| 26 | +3,265 | +33,0 | —21,52 | —21,3 | —3 | +2 |
| 36 | +3,592 | +31,9 | —23,62 | —20,4 | —3 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 11 39 45,3852 | + 2 56 51,333 |
| 1791 | 39 48,5098 | 56 31,054 |
| 1792 | 39 51,6344 | 56 10,774 |
| 1793 | 39 54,7590 | 55 50,494 |
| 1794 | 39 57,8836 | 55 30,214 |
| 1795 | 40 1,0082 | 55 9,933 |
| 1796 | 40 4,1328 | 54 49,652 |
| 1797 | 40 7,2573 | 54 29,371 |
| 1798 | 40 10,3819 | 54 9,089 |
| 1799 | 40 13,5064 | 53 48,807 |
| 1800 | 40 16,6310 | 53 28,525 |
| 1801 | 40 19,7555 | 53 8,242 |
| 1802 | 40 22,8801 | 52 47,959 |
| 1803 | 40 26,0046 | 52 27,676 |
| 1804 | 40 29,1292 | 52 7,392 |
| 1805 | 40 32,2537 | 51 47,108 |
| 1806 | 40 35,3782 | 51 26,824 |
| 1807 | 40 38,5027 | 51 6,539 |
| 1808 | 40 41,6272 | 50 46,254 |
| 1809 | 40 44,7517 | 50 25,969 |
| 1810 | 40 47,8762 | 50 5,684 |

Diei reducto addendum est:

ante / post } Sept. 17 { +1 / +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 13 14 9,927 | — 10 3 38,92 | 1800 | Jan. 0 | 13 14 39,856 | — 10 6 45,83 |
| | Apr. 10 | 9,864 | 38,81 | | Apr. 10 | 39,934 | 46,46 |
| | Jul. 19 | 9,794 | 37,69 | | Jul. 19 | 40,016 | 47,08 |
| | Oct. 27 | 9,718 | 37,05 | | Oct. 27 | 40,102 | 47,71 |
| | Dec. 66 | 9,636 | 36,39 | | Dec. 66 | 40,192 | 48,33 |
| 1791 | Jan. 0 | 13 14 12,806 | — 10 3 55,68 | 1801 | Jan. 0 | 13 14 43,304 | — 10 7 7,18 |
| | Apr. 10 | 12,720 | 55,03 | | Apr. 10 | 43,396 | 7,79 |
| | Jul. 19 | 12,631 | 54,38 | | Jul. 19 | 43,489 | 8,38 |
| | Oct. 27 | 12,538 | 53,74 | | Oct. 27 | 43,583 | 8,95 |
| | Dec. 66 | 12,441 | 53,10 | | Dec. 66 | 43,678 | 9,50 |
| 1792 | Jan. 1 | 13 14 15,615 | — 10 4 12,38 | 1802 | Jan. 0 | 13 14 46,789 | — 10 7 28,38 |
| | Apr. 10 | 15,517 | 11,76 | | Apr. 10 | 46,884 | 28,91 |
| | Jul. 19 | 15,418 | 11,16 | | Jul. 19 | 46,979 | 29,40 |
| | Oct. 27 | 15,319 | 10,59 | | Oct. 27 | 47,071 | 29,86 |
| | Dec. 66 | 15,220 | 10,05 | | Dec. 66 | 47,162 | 30,28 |
| 1793 | Jan. 0 | 13 14 18,395 | — 10 4 29,30 | 1803 | Jan. 0 | 13 14 50,275 | — 10 7 49,20 |
| | Apr. 10 | 18,296 | 28,78 | | Apr. 10 | 50,364 | 49,59 |
| | Jul. 19 | 18,200 | 28,31 | | Jul. 19 | 50,449 | 49,94 |
| | Oct. 27 | 18,107 | 27,89 | | Oct. 27 | 50,530 | 50,23 |
| | Dec. 66 | 18,017 | 27,51 | | Dec. 66 | 50,607 | 50,48 |
| 1794 | Jan. 0 | 13 14 21,189 | — 10 4 46,70 | 1804 | Jan. 1 | 13 14 53,726 | — 10 8 9,46 |
| | Apr. 10 | 21,101 | 46,35 | | Apr. 10 | 53,799 | 9,68 |
| | Jul. 19 | 21,019 | 46,06 | | Jul. 19 | 53,866 | 9,83 |
| | Oct. 27 | 20,943 | 45,83 | | Oct. 27 | 53,927 | 9,93 |
| | Dec. 66 | 20,873 | 45,66 | | Dec. 66 | 53,981 | 9,98 |
| 1795 | Jan. 0 | 13 14 24,038 | — 10 5 4,77 | 1805 | Jan. 0 | 13 14 57,107 | — 10 8 29,02 |
| | Apr. 10 | 23,972 | 4,64 | | Apr. 10 | 57,157 | 29,03 |
| | Jul. 19 | 23,914 | 4,56 | | Jul. 19 | 57,198 | 28,98 |
| | Oct. 27 | 23,864 | 4,55 | | Oct. 27 | 57,232 | 28,87 |
| | Dec. 66 | 23,821 | 4,59 | | Dec. 66 | 57,257 | 28,70 |
| 1796 | Jan. 1 | 13 14 26,977 | — 10 5 23,63 | 1806 | Jan. 0 | 13 15 0,393 | — 10 8 47,81 |
| | Apr. 10 | 26,940 | 23,72 | | Apr. 10 | 0,412 | 47,61 |
| | Jul. 19 | 26,911 | 23,86 | | Jul. 19 | 0,423 | 47,35 |
| | Oct. 27 | 26,892 | 24,06 | | Oct. 27 | 0,424 | 47,04 |
| | Dec. 66 | 26,881 | 24,32 | | Dec. 66 | 0,417 | 46,67 |
| 1797 | Jan. 0 | 13 14 30,026 | — 10 5 43,29 | 1807 | Jan. 0 | 13 15 3,564 | — 10 9 5,85 |
| | Apr. 10 | 30,022 | 43,59 | | Apr. 10 | 3,550 | 5,45 |
| | Jul. 19 | 30,026 | 43,93 | | Jul. 19 | 3,528 | 5,01 |
| | Oct. 27 | 30,039 | 44,32 | | Oct. 27 | 3,497 | 4,53 |
| | Dec. 66 | 30,061 | 44,75 | | Dec. 66 | 3,457 | 4,00 |
| 1798 | Jan. 0 | 13 14 33,195 | — 10 6 3,66 | 1808 | Jan. 1 | 13 15 6,615 | — 10 9 23,23 |
| | Apr. 10 | 33,223 | 4,12 | | Apr. 10 | 6,569 | 22,68 |
| | Jul. 19 | 33,258 | 4,62 | | Jul. 19 | 6,516 | 22,10 |
| | Oct. 27 | 33,302 | 5,15 | | Oct. 27 | 6,455 | 21,50 |
| | Dec. 66 | 33,353 | 5,71 | | Dec. 66 | 6,386 | 20,87 |
| 1799 | Jan. 0 | 13 14 36,478 | — 10 6 24,58 | 1809 | Jan. 0 | 13 15 9,554 | — 10 9 40,13 |
| | Apr. 10 | 36,534 | 25,16 | | Apr. 10 | 9,481 | 39,49 |
| | Jul. 19 | 36,596 | 25,75 | | Jul. 19 | 9,402 | 38,84 |
| | Oct. 27 | 36,664 | 26,36 | | Oct. 27 | 9,318 | 38,19 |
| | Dec. 66 | 36,739 | 26,98 | | Dec. 66 | 9,229 | 37,54 |

## Tabulae X. Sect. III. *α Virginis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,198 | +33,4 | + 2,16 | −20,1 | −3 | +2 | 1790 | 13 14 9,0804 | − 10 3 36,190 |
| 10 | +0,136 | +33,1 | + 0,13 | −20,4 | −3 | +2 | 1791 | 14 12,2224 | 3 55,262 |
| 20 | +0,464 | +31,9 | − 1,92 | −20,2 | −3 | +2 | 1792 | 14 15,3645 | 4 14,333 |
| 30 | +0,774 | +29,8 | − 3,90 | −19,2 | −3 | +2 | 1793 | 14 18,5067 | 4 33,402 |
| Febr. 9 | +1,060 | +27,1 | − 5,76 | −17,8 | −2 | +2 | 1794 | 14 21,6491 | 4 52,470 |
| | | | | | | | 1795 | 14 24,7916 | 5 11,535 |
| 19 | +1,315 | +23,9 | − 7,45 | −15,9 | −2 | +2 | 1796 | 14 27,9342 | 5 30,600 |
| Mart. 1 | +1,537 | +20,4 | − 8,94 | −13,8 | −2 | +2 | 1797 | 14 31,0769 | 5 49,663 |
| 11 | +1,722 | +16,7 | −10,21 | −11,5 | −1 | +2 | 1798 | 14 34,2197 | 6 8,725 |
| 21 | +1,871 | +13,2 | −11,24 | − 9,2 | 0 | +2 | 1799 | 14 37,3626 | 6 27,785 |
| 31 | +1,986 | + 9,9 | −12,05 | − 7,0 | 0 | +1 | 1800 | 14 40,5057 | 6 46,843 |
| | | | | | | | 1801 | 14 43,6488 | 7 5,900 |
| Apr. 10 | +2,068 | + 6,7 | −12,64 | − 4,9 | +1 | +1 | 1802 | 14 46,7921 | 7 24,955 |
| 20 | +2,120 | + 3,8 | −13,03 | − 3,0 | +1 | +1 | 1803 | 14 49,9355 | 7 44,009 |
| 30 | +2,144 | + 1,2 | −13,24 | − 1,3 | +2 | +1 | 1804 | 14 53,0790 | 8 3,061 |
| Maj. 10 | +2,144 | − 1,1 | −13,29 | + 0,2 | +2 | 0 | 1805 | 14 56,2225 | 8 22,112 |
| 20 | +2,122 | − 3,1 | −13,20 | + 1,5 | +3 | 0 | 1806 | 14 59,3662 | 8 41,161 |
| | | | | | | | 1807 | 15 2,5100 | 9 0,209 |
| 30 | +2,082 | − 4,9 | −13,00 | + 2,5 | +3 | 0 | 1808 | 15 5,6539 | 9 19,255 |
| Jun. 9 | +2,024 | − 6,6 | −12,69 | + 3,6 | +3 | 0 | 1809 | 15 8,7979 | 9 38,300 |
| 19 | +1,950 | − 8,0 | −12,29 | + 4,4 | +3 | −1 | 1810 | 15 11,9422 | 9 57,343 |
| 29 | +1,864 | − 9,2 | −11,82 | + 5,0 | +4 | −1 | | | |
| Jul. 9 | +1,766 | −10,2 | −11,29 | + 5,6 | +4 | −1 | | | |
| 19 | +1,660 | −10,8 | −10,71 | + 6,0 | +4 | −1 | | | |
| 29 | +1,550 | −11,1 | −10,09 | + 6,3 | +3 | −1 | | | |
| Aug. 8 | +1,439 | −10,8 | − 9,46 | + 6,3 | +3 | −1 | | | |
| 18 | +1,334 | −10,0 | − 8,84 | + 6,0 | +3 | −1 | | | |
| 28 | +1,239 | − 8,7 | − 8,26 | + 5,5 | +3 | −1 | | | |
| Sept. 7 | +1,161 | − 6,4 | − 7,75 | + 4,6 | +2 | −1 | | | |
| 17 | +1,107 | − 3,9 | − 7,34 | + 3,3 | +2 | −1 | | | |
| 27 | +1,084 | − 0,5 | − 7,09 | + 1,6 | +1 | 0 | | | |
| Oct. 7 | +1,098 | + 3,5 | − 7,02 | − 0,5 | +1 | 0 | | | |
| 17 | +1,153 | + 7,8 | − 7,18 | − 2,9 | 0 | 0 | | | |
| 27 | +1,254 | +12,5 | − 7,60 | − 5,6 | 0 | +1 | | | |
| Nov. 6 | +1,402 | +17,2 | − 8,29 | − 8,3 | −1 | +1 | | | |
| 16 | +1,597 | +21,6 | − 9,26 | −11,1 | −1 | +2 | | | |
| 26 | +1,834 | +25,6 | −10,51 | −13,8 | −1 | +2 | | | |
| Dec. 6 | +2,109 | +29,0 | −12,02 | −16,2 | −2 | +3 | | | |
| 16 | +2,413 | +31,4 | −13,75 | −18,2 | −2 | +3 | | | |
| 26 | +2,737 | +32,9 | −15,65 | −19,5 | −2 | +3 | | | |
| 36 | +3,071 | +33,4 | −17,65 | −20,3 | −2 | +4 | | | |

Diei reducto addendum est:

ante } Oct. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Bootis.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 14h 6′ 5″,853 | +20° 16′ 55″,69 |
| | Apr. 10 | 5,778 | 56,38 |
| | Jul. 19 | 5,699 | 57,06 |
| | Oct. 27 | 5,616 | 57,75 |
| | Dec. 66 | 5,530 | 58,43 |
| 1791 | Jan. 0 | 14 6 8,291 | +20 16 39,13 |
| | Apr. 10 | 8,203 | 39,81 |
| | Jul. 19 | 8,114 | 40,46 |
| | Oct. 27 | 8,024 | 41,09 |
| | Dec. 66 | 7,934 | 41,69 |
| 1792 | Jan. 1 | 14 6 10,696 | +20 16 22,42 |
| | Apr. 10 | 10,606 | 23,00 |
| | Jul. 19 | 10,517 | 23,54 |
| | Oct. 27 | 10,431 | 24,03 |
| | Dec. 66 | 10,347 | 24,48 |
| 1793 | Jan. 0 | 14 6 13,107 | +20 16 5,27 |
| | Apr. 10 | 13,025 | 5,68 |
| | Jul. 19 | 12,948 | 6,03 |
| | Oct. 27 | 12,876 | 6,33 |
| | Dec. 66 | 12,808 | 6,57 |
| 1794 | Jan. 0 | 14 6 15,562 | +20 15 47,43 |
| | Apr. 10 | 15,498 | 47,63 |
| | Jul. 19 | 15,441 | 47,76 |
| | Oct. 27 | 15,391 | 47,83 |
| | Dec. 66 | 15,348 | 47,84 |
| 1795 | Jan. 0 | 14 6 18,094 | +20 15 28,78 |
| | Apr. 10 | 18,056 | 28,74 |
| | Jul. 19 | 18,026 | 28,64 |
| | Oct. 27 | 18,004 | 28,48 |
| | Dec. 66 | 17,990 | 28,25 |
| 1796 | Jan. 1 | 14 6 20,726 | +20 15 9,27 |
| | Apr. 10 | 20,718 | 9,01 |
| | Jul. 19 | 20,718 | 8,69 |
| | Oct. 27 | 20,726 | 8,31 |
| | Dec. 66 | 20,742 | 7,88 |
| 1797 | Jan. 0 | 14 6 23,467 | +20 14 48,97 |
| | Apr. 10 | 23,489 | 48,51 |
| | Jul. 19 | 23,518 | 48,01 |
| | Oct. 27 | 23,554 | 47,47 |
| | Dec. 66 | 23,598 | 46,90 |
| 1798 | Jan. 0 | 14 6 26,315 | +20 14 28,04 |
| | Apr. 10 | 26,364 | 27,44 |
| | Jul. 19 | 26,418 | 26,82 |
| | Oct. 27 | 26,478 | 26,18 |
| | Dec. 66 | 26,544 | 25,52 |
| 1799 | Jan. 0 | 14 6 29,253 | +20 14 6,69 |
| | Apr. 10 | 29,323 | 6,02 |
| | Jul. 19 | 29,396 | 5,36 |
| | Oct. 27 | 29,473 | 4,69 |
| | Dec. 66 | 29,553 | 4,02 |

| | | | |
|---|---|---|---|
| 1800 | Jan. 0 | 14h 6′ 32″,257 | +20° 13′ 45″,19 |
| | Apr. 10 | 32,340 | 44,53 |
| | Jul. 19 | 32,424 | 43,89 |
| | Oct. 27 | 32,509 | 43,27 |
| | Dec. 66 | 32,595 | 42,66 |
| 1801 | Jan. 0 | 14 6 35,298 | +20 13 23,80 |
| | Apr. 10 | 35,385 | 23,22 |
| | Jul. 19 | 35,470 | 22,67 |
| | Oct. 27 | 35,555 | 22,15 |
| | Dec. 66 | 35,638 | 21,67 |
| 1802 | Jan. 0 | 14 6 38,342 | +20 13 2,78 |
| | Apr. 10 | 38,424 | 2,33 |
| | Jul. 19 | 38,502 | 1,93 |
| | Oct. 27 | 38,577 | 1,58 |
| | Dec. 66 | 38,648 | 1,27 |
| 1803 | Jan. 0 | 14 6 41,357 | +20 12 42,32 |
| | Apr. 10 | 41,425 | 42,06 |
| | Jul. 19 | 41,488 | 41,85 |
| | Oct. 27 | 41,545 | 41,70 |
| | Dec. 66 | 41,597 | 41,60 |
| 1804 | Jan. 1 | 14 6 44,313 | +20 12 22,58 |
| | Apr. 10 | 44,360 | 22,53 |
| | Jul. 19 | 44,400 | 22,54 |
| | Oct. 27 | 44,434 | 22,61 |
| | Dec. 66 | 44,460 | 22,74 |
| 1805 | Jan. 0 | 14 6 47,184 | +20 12 3,65 |
| | Apr. 10 | 47,205 | 3,82 |
| | Jul. 19 | 47,218 | 4,04 |
| | Oct. 27 | 47,223 | 4,33 |
| | Dec. 66 | 47,220 | 4,67 |
| 1806 | Jan. 0 | 14 6 49,954 | +20 11 45,51 |
| | Apr. 10 | 49,946 | 45,89 |
| | Jul. 19 | 49,930 | 46,32 |
| | Oct. 27 | 49,906 | 46,80 |
| | Dec. 66 | 49,873 | 47,32 |
| 1807 | Jan. 0 | 14 6 52,617 | +20 11 28,10 |
| | Apr. 10 | 52,580 | 28,65 |
| | Jul. 19 | 52,535 | 29,23 |
| | Oct. 27 | 52,484 | 29,84 |
| | Dec. 66 | 52,425 | 30,49 |
| 1808 | Jan. 1 | 14 6 55,178 | +20 11 11,23 |
| | Apr. 10 | 55,115 | 11,89 |
| | Jul. 19 | 55,047 | 12,56 |
| | Oct. 27 | 54,974 | 13,24 |
| | Dec. 66 | 54,896 | 13,94 |
| 1809 | Jan. 0 | 14 6 57,655 | +20 10 54,67 |
| | Apr. 10 | 57,573 | 55,37 |
| | Jul. 19 | 57,489 | 56,05 |
| | Oct. 27 | 57,403 | 56,73 |
| | Dec. 66 | 57,314 | 57,39 |

## Tabulae X. Sect. III. *α Bootis.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,540 | +32,0 | − 7,60 | −24,3 | −3 | +2 | 1790 | 14 6 5,2867 | +20 16 56,682 |
| 10 | −0,213 | +32,9 | − 9,91 | −21,6 | −3 | +2 | 1791 | 6 8,0186 | 16 37,609 |
| 20 | +0,118 | +32,9 | −11,92 | −18,3 | −3 | +2 | 1792 | 6 10,7505 | 16 18,538 |
| 30 | +0,445 | +32,0 | −13,57 | −14,4 | −3 | +2 | 1793 | 6 13,4824 | 15 59,470 |
| Febr. 9 | +0,757 | +30,1 | −14,80 | −10,1 | −3 | +1 | 1794 | 6 16,2144 | 15 40,403 |
| | | | | | | | 1795 | 6 18,9464 | 15 21,339 |
| 19 | +1,047 | +27,6 | −15,59 | − 5,7 | −3 | +1 | 1796 | 6 21,6784 | 15 2,277 |
| Mart. 1 | +1,309 | +24,7 | −15,94 | − 1,3 | −2 | +1 | 1797 | 6 24,4104 | 14 43,216 |
| 11 | +1,540 | +21,3 | −15,84 | + 2,9 | −2 | 0 | 1798 | 6 27,1424 | 14 24,158 |
| 21 | +1,735 | +17,8 | −15,36 | + 6,7 | −2 | 0 | 1799 | 6 29,8744 | 14 5,102 |
| 31 | +1,895 | +14,3 | −14,51 | +10,0 | −1 | 0 | 1800 | 6 32,6064 | 13 46,049 |
| | | | | | | | 1801 | 6 35,3384 | 13 26,997 |
| Apr. 10 | +2,020 | +10,8 | −13,37 | +12,5 | −1 | −1 | 1802 | 6 38,0705 | 13 7,948 |
| 20 | +2,111 | + 7,5 | −12,01 | +14,4 | 0 | −1 | 1803 | 6 40,8026 | 12 48,901 |
| 30 | +2,170 | + 4,4 | −10,50 | +15,5 | 0 | −1 | 1804 | 6 43,5347 | 12 29,856 |
| Maj. 10 | +2,199 | + 1,5 | − 8,92 | +15,9 | +1 | −1 | 1805 | 6 46,2667 | 12 10,813 |
| 20 | +2,200 | − 1,3 | − 7,32 | +15,8 | +1 | −1 | 1806 | 6 48,9988 | 11 51,772 |
| | | | | | | | 1807 | 6 51,7309 | 11 32,734 |
| 30 | +2,174 | − 3,8 | − 5,77 | +15,0 | +1 | −1 | 1808 | 6 54,4630 | 11 13,698 |
| Jun. 9 | +2,125 | − 6,0 | − 4,33 | +13,7 | +2 | −1 | 1809 | 6 57,1951 | 10 54,664 |
| 19 | +2,054 | − 8,1 | − 3,04 | +11,9 | +2 | −1 | 1810 | 6 59,9274 | 10 35,632 |
| 29 | +1,963 | −10,0 | − 1,95 | + 9,9 | +2 | −1 | | | |
| Jul. 9 | +1,854 | −11,6 | − 1,06 | + 7,6 | +3 | −1 | | | |
| 19 | +1,731 | −12,9 | − 0,43 | + 5,1 | +3 | 0 | | | |
| 29 | +1,596 | −13,8 | − 0,05 | + 2,5 | +3 | 0 | | | |
| Aug. 8 | +1,455 | −14,2 | + 0,06 | − 0,4 | +3 | 0 | | | |
| 18 | +1,312 | −14,1 | − 0,12 | − 3,2 | +3 | 0 | | | |
| 28 | +1,173 | −13,4 | − 0,58 | − 6,1 | +3 | +1 | | | |
| Sept. 7 | +1,045 | −11,9 | − 1,33 | − 9,0 | +2 | +1 | | | |
| 17 | +0,935 | − 9,7 | − 2,37 | −11,9 | +2 | +2 | | | |
| 27 | +0,851 | − 6,8 | − 3,71 | −14,8 | +2 | +2 | | | |
| Oct. 7 | +0,799 | − 3,2 | − 5,33 | −17,6 | +1 | +2 | | | |
| 17 | +0,787 | + 1,0 | − 7,23 | −20,2 | +1 | +3 | | | |
| 27 | +0,819 | + 5,7 | − 9,37 | −22,6 | 0 | +3 | | | |
| Nov. 6 | +0,900 | +10,6 | −11,74 | −24,6 | 0 | +4 | | | |
| 16 | +1,031 | +15,5 | −14,29 | −26,2 | −1 | +4 | | | |
| 26 | +1,210 | +20,2 | −16,97 | −27,1 | −1 | +4 | | | |
| Dec. 6 | +1,435 | +24,5 | −19,71 | −27,4 | −2 | +4 | | | |
| 16 | +1,700 | +28,1 | −22,45 | −26,9 | −2 | +5 | | | |
| 26 | +1,996 | +30,7 | −25,09 | −25,5 | −2 | +5 | | | |
| 36 | +2,314 | +32,5 | −27,55 | −23,4 | −3 | +4 | | | |

Diei reducto addendum est:

ante } Oct. 26 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. 1 *a* *Librae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 14 39 6,863 | — 15 6 49,59 | 1800 | Jan. 0 | 14 39 38,219 | —15 9 26,59 |
| | Apr. 10 | 6,798 | 48,87 | | Apr. 10 | 38,300 | 27,26 |
| | Jul. 19 | 6,726 | 48,16 | | Jul. 19 | 38,385 | 27,90 |
| | Oct. 27 | 6,647 | 47,46 | | Oct. 27 | 38,474 | 28,50 |
| | Dec. 66 | 6,561 | 46,78 | | Dec. 66 | 38,568 | 29,08 |
| 1791 | Jan. 0 | 14 39 9,885 | — 15 7 2,50 | 1801 | Jan. 0 | 14 39 41,833 | —15 9 44,36 |
| | Apr. 10 | 9,796 | 1,83 | | Apr. 10 | 41,929 | 44,91 |
| | Jul. 19 | 9,702 | 1,20 | | Jul. 19 | 42,026 | 45,42 |
| | Oct. 27 | 9,605 | 0,60 | | Oct. 27 | 42,124 | 45,89 |
| | Dec. 66 | 9,504 | 0,03 | | Dec. 66 | 42,224 | 46,31 |
| 1792 | Jan. 1 | 14 39 12,833 | — 15 7 15,71 | 1802 | Jan. 0 | 14 39 45,487 | —15 10 1,64 |
| | Apr. 10 | 12,730 | 15,17 | | Apr. 10 | 45,587 | 2,03 |
| | Jul. 19 | 12,626 | 14,69 | | Jul. 19 | 45,686 | 2,36 |
| | Oct. 27 | 12,522 | 14,26 | | Oct. 27 | 45,784 | 2,63 |
| | Dec. 66 | 12,417 | 13,88 | | Dec. 66 | 45,880 | 2,85 |
| 1793 | Jan. 0 | 14 39 15,744 | — 15 7 29,49 | 1803 | Jan. 0 | 14 39 49,145 | —15 10 18,24 |
| | Apr. 10 | 15,642 | 29,15 | | Apr. 10 | 49,239 | 18,42 |
| | Jul. 19 | 15,542 | 28,88 | | Jul. 19 | 49,329 | 18,53 |
| | Oct. 27 | 15,444 | 28,67 | | Oct. 27 | 49,415 | 18,58 |
| | Dec. 66 | 15,348 | 28,53 | | Dec. 66 | 49,497 | 18,58 |
| 1794 | Jan. 0 | 14 39 18,674 | — 15 7 44,06 | 1804 | Jan. 1 | 14 39 52,767 | —15 10 34,04 |
| | Apr. 10 | 18,581 | 43,96 | | Apr. 10 | 52,845 | 33,99 |
| | Jul. 19 | 18,494 | 43,92 | | Jul. 19 | 52,917 | 33,87 |
| | Oct. 27 | 18,413 | 43,96 | | Oct. 27 | 52,982 | 33,70 |
| | Dec. 66 | 18,338 | 44,06 | | Dec. 66 | 53,040 | 33,46 |
| 1795 | Jan. 0 | 14 39 21,658 | — 15 7 59,51 | 1805 | Jan. 0 | 14 39 56,319 | —15 10 49,00 |
| | Apr. 10 | 21,587 | 59,66 | | Apr. 10 | 56,372 | 48,72 |
| | Jul. 19 | 21,525 | 59,87 | | Jul. 19 | 56,417 | 48,38 |
| | Oct. 27 | 21,470 | 8 0,14 | | Oct. 27 | 56,454 | 47,99 |
| | Dec. 66 | 21,424 | 0,48 | | Dec. 66 | 56,482 | 47,54 |
| 1796 | Jan. 1 | 14 39 24,734 | — 15 8 15,84 | 1806 | Jan. 0 | 14 39 59,770 | —15 11 3,15 |
| | Apr. 10 | 24,693 | 16,21 | | Apr. 10 | 59,792 | 2,67 |
| | Jul. 19 | 24,662 | 16,64 | | Jul. 19 | 59,805 | 2,14 |
| | Oct. 27 | 24,640 | 17,11 | | Oct. 27 | 59,808 | 1,57 |
| | Dec. 66 | 24,627 | 17,64 | | Dec. 66 | 59,802 | 0,96 |
| 1797 | Jan. 0 | 14 39 27,926 | — 15 8 32,94 | 1807 | Jan. 0 | 14 40 3,102 | —15 11 16,62 |
| | Apr. 10 | 27,919 | 33,49 | | Apr. 10 | 3,089 | 15,99 |
| | Jul. 19 | 27,922 | 34,08 | | Jul. 19 | 3,067 | 15,33 |
| | Oct. 27 | 27,934 | 34,70 | | Oct. 27 | 3,035 | 14,65 |
| | Dec. 66 | 27,955 | 35,35 | | Dec. 66 | 2,996 | 13,94 |
| 1798 | Jan. 0 | 14 39 31,243 | — 15 8 50,61 | 1808 | Jan. 1 | 14 40 6,307 | —15 11 29,62 |
| | Apr. 10 | 31,270 | 51,27 | | Apr. 10 | 6,261 | 28,91 |
| | Jul. 19 | 31,306 | 51,95 | | Jul. 19 | 6,206 | 28,20 |
| | Oct. 27 | 31,350 | 52,64 | | Oct. 27 | 6,143 | 27,48 |
| | Dec. 66 | 31,402 | 53,35 | | Dec. 66 | 6,072 | 26,76 |
| 1799 | Jan. 0 | 14 39 34,680 | — 15 9 8,59 | 1809 | Jan. 0 | 14 40 9,394 | —15 11 42,44 |
| | Apr. 10 | 34,738 | 9,29 | | Apr. 10 | 9,318 | 41,73 |
| | Jul. 19 | 34,802 | 9,99 | | Jul. 19 | 9,237 | 41,04 |
| | Oct. 27 | 34,872 | 10,67 | | Oct. 27 | 9,150 | 40,37 |
| | Dec. 66 | 34,949 | 11,35 | | Dec. 66 | 9,057 | 39,72 |

## Tabulae X. Sect. III. 1*a* *Librae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,681 | +31,7 | + 3,42 | —15,4 | —3 | +1 |
| 10 | —0,355 | +32,9 | + 1,82 | —16,3 | —3 | +1 |
| 20 | —0,023 | +33,2 | + 0,16 | —16,8 | —3 | +2 |
| 30 | +0,308 | +32,7 | — 1,53 | —16,6 | —3 | +2 |
| Febr. 9 | +0,630 | +31,3 | — 3,16 | —15,9 | —3 | +2 |
| 19 | +0,934 | +29,3 | — 4,71 | —14,8 | —3 | +2 |
| Mart. 1 | +1,215 | +26,9 | — 6,12 | —13,3 | —2 | +2 |
| 11 | +1,471 | +24,2 | — 7,36 | —11,6 | —2 | +3 |
| 21 | +1,699 | +21,4 | — 8,43 | — 9,8 | —1 | +3 |
| 31 | +1,898 | +18,5 | — 9,31 | — 8,0 | —1 | +3 |
| Apr. 10 | +2,068 | +15,6 | —10,02 | — 6,2 | 0 | +2 |
| 20 | +2,209 | +12,7 | —10,54 | — 4,5 | 0 | +2 |
| 30 | +2,321 | + 9,8 | —10,92 | — 3,1 | +1 | +2 |
| Maj. 10 | +2,405 | + 7,1 | —11,15 | — 1,8 | +1 | +2 |
| 20 | +2,462 | + 4,4 | —11,27 | — 0,7 | +2 | +2 |
| 30 | +2,492 | + 1,7 | —11,28 | + 0,4 | +2 | +2 |
| Jun. 9 | +2,495 | — 1,2 | —11,20 | + 1,2 | +3 | +2 |
| 19 | +2,470 | — 3,7 | —11,04 | + 2,0 | +3 | +1 |
| 29 | +2,421 | — 6,2 | —10,81 | + 2,7 | +4 | +1 |
| Jul. 9 | +2,347 | — 8,6 | —10,51 | + 3,3 | +4 | +1 |
| 19 | +2,250 | —10,6 | —10,15 | + 3,9 | +4 | +1 |
| 29 | +2,135 | —12,2 | — 9,73 | + 4,4 | +4 | +1 |
| Aug. 8 | +2,006 | —13,4 | — 9,27 | + 4,8 | +4 | 0 |
| 18 | +1,863 | —13,9 | — 8,77 | + 5,1 | +4 | 0 |
| 28 | +1,728 | —13,8 | — 8,25 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,593 | —12,8 | — 7,73 | + 5,1 | +3 | 0 |
| 17 | +1,473 | —10,9 | — 7,24 | + 4,6 | +3 | 0 |
| 27 | +1,376 | — 8,2 | — 6,82 | + 3,7 | +3 | 0 |
| Oct. 7 | +1,310 | — 4,7 | — 6,50 | + 2,5 | +2 | 0 |
| 17 | +1,282 | — 0,5 | — 6,32 | + 0,9 | +2 | +1 |
| 27 | +1,301 | + 4,3 | — 6,32 | — 1,0 | +1 | +1 |
| Nov. 6 | +1,368 | + 9,3 | — 6,52 | — 3,2 | +1 | +1 |
| 16 | +1,437 | +14,4 | — 6,96 | — 5,7 | 0 | +2 |
| 26 | +1,656 | +19,3 | — 7,65 | — 8,1 | 0 | +2 |
| Dec. 6 | +1,872 | +23,7 | — 8,58 | —10,5 | —1 | +3 |
| 16 | +2,130 | +27,5 | — 9,74 | —12,7 | —1 | +3 |
| 26 | +2,421 | +30,3 | —11,11 | —14,5 | —1 | +4 |
| 36 | +2,736 | +32,3 | —12,64 | —15,8 | —2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 14 39 5,9618 | — 15 6 49,732 |
| 1791 | 39 9,2565 | 7 5,228 |
| 1792 | 39 12,5513 | 7 20,722 |
| 1793 | 39 15,8463 | 7 36,212 |
| 1794 | 39 19,1414 | 7 51,699 |
| 1795 | 39 22,4367 | 8 7,183 |
| 1796 | 39 25,7321 | 8 22,664 |
| 1797 | 39 29,0277 | 8 38,142 |
| 1798 | 39 32,3235 | 8 53,616 |
| 1799 | 39 35,6194 | 9 9,088 |
| 1800 | 39 38,9155 | 9 24,556 |
| 1801 | 39 42,2117 | 9 40,021 |
| 1802 | 39 45,5081 | 9 55,486 |
| 1803 | 39 48,8046 | 10 10,943 |
| 1804 | 39 52,1013 | 10 26,399 |
| 1805 | 39 55,3982 | 10 41,851 |
| 1806 | 39 58,6952 | 10 57,301 |
| 1807 | 40 1,9924 | 11 12,748 |
| 1808 | 40 5,2897 | 11 28,191 |
| 1809 | 40 8,5872 | 11 43,632 |
| 1810 | 40 11,8848 | 11 59,069 |

Diei reducto addendum est:

ante / post } Nov. 4 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. 2a *Librae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 14 39 18,166 | —15 9 32,26 | 1800 | Jan. 0 | 14 39 49,540 | —15 12 8,98 |
| | Apr. 10 | 18,100 | 31,54 | | Apr. 10 | 49,621 | 9,64 |
| | Jul. 19 | 18,028 | 30,83 | | Jul. 19 | 49,706 | 10,28 |
| | Oct. 27 | 17,949 | 30,13 | | Oct. 27 | 49,796 | 10,89 |
| | Dec. 66 | 17,864 | 29,45 | | Dec. 66 | 49,890 | 11,47 |
| 1791 | Jan. 0 | 14 39 21,190 | —15 9 45,14 | 1801 | Jan. 0 | 14 39 53,156 | —15 12 26,72 |
| | Apr. 10 | 21,100 | 44,47 | | Apr. 10 | 53,252 | 27,27 |
| | Jul. 19 | 21,007 | 43,84 | | Jul. 19 | 53,349 | 27,78 |
| | Oct. 27 | 20,909 | 43,24 | | Oct. 27 | 53,448 | 28,25 |
| | Dec. 66 | 20,808 | 42,67 | | Dec. 66 | 53,548 | 28,67 |
| 1792 | Jan. 1 | 14 39 24,139 | —15 9 58,32 | 1802 | Jan. 0 | 14 39 56,813 | —15 12 43,96 |
| | Apr. 10 | 24,036 | 57,78 | | Apr. 10 | 56,913 | 44,35 |
| | Jul. 19 | 23,933 | 57,30 | | Jul. 19 | 57,012 | 44,68 |
| | Oct. 27 | 23,829 | 56,87 | | Oct. 27 | 57,110 | 44,95 |
| | Dec. 66 | 23,724 | 56,49 | | Dec. 66 | 57,206 | 45,17 |
| 1793 | Jan. 0 | 14 39 27,055 | —15 10 12,07 | 1803 | Jan. 0 | 14 40 0,472 | —15 13 0,53 |
| | Apr. 10 | 26,951 | 11,73 | | Apr. 10 | 0,567 | 0,71 |
| | Jul. 19 | 26,850 | 11,46 | | Jul. 19 | 0,657 | 0,82 |
| | Oct. 27 | 26,752 | 11,25 | | Oct. 27 | 0,743 | 0,88 |
| | Dec. 66 | 26,656 | 11,11 | | Dec. 66 | 0,825 | 0,87 |
| 1794 | Jan. 0 | 14 39 29,984 | —15 10 26,61 | 1804 | Jan. 1 | 14 40 4,096 | —15 13 16,30 |
| | Apr. 10 | 29,891 | 26,51 | | Apr. 10 | 4,174 | 16,25 |
| | Jul. 19 | 29,804 | 26,48 | | Jul. 19 | 4,246 | 16,13 |
| | Oct. 27 | 29,723 | 26,52 | | Oct. 27 | 4,311 | 15,95 |
| | Dec. 66 | 29,648 | 26,62 | | Dec. 66 | 4,370 | 15,71 |
| 1795 | Jan. 0 | 14 39 32,970 | —15 10 42,03 | 1805 | Jan. 0 | 14 40 7,650 | —15 13 31,22 |
| | Apr. 10 | 32,899 | 42,18 | | Apr. 10 | 7,704 | 30,94 |
| | Jul. 19 | 32,836 | 42,39 | | Jul. 19 | 7,749 | 30,61 |
| | Oct. 27 | 32,782 | 42,66 | | Oct. 27 | 7,785 | 30,22 |
| | Dec. 66 | 32,736 | 43,00 | | Dec. 66 | 7,813 | 29,77 |
| 1796 | Jan. 1 | 14 39 36,047 | —15 10 58,34 | 1806 | Jan. 0 | 14 40 11,104 | —15 13 45,34 |
| | Apr. 10 | 36,007 | 58,71 | | Apr. 10 | 11,126 | 44,86 |
| | Jul. 19 | 35,976 | 59,14 | | Jul. 19 | 11,138 | 44,34 |
| | Oct. 27 | 35,953 | 59,62 | | Oct. 27 | 11,141 | 43,77 |
| | Dec. 66 | 35,940 | 11 0,14 | | Dec. 66 | 11,135 | 43,16 |
| 1797 | Jan. 0 | 14 39 39,241 | —15 11 15,41 | 1807 | Jan. 0 | 14 40 14,438 | —15 13 58,78 |
| | Apr. 10 | 39,234 | 15,96 | | Apr. 10 | 14,425 | 58,15 |
| | Jul. 19 | 39,237 | 16,55 | | Jul. 19 | 14,403 | 57,49 |
| | Oct. 27 | 39,249 | 17,17 | | Oct. 27 | 14,372 | 56,81 |
| | Dec. 66 | 39,271 | 17,82 | | Dec. 66 | 14,331 | 56,11 |
| 1798 | Jan. 0 | 14 39 42,560 | —15 11 33,05 | 1808 | Jan. 1 | 14 40 17,645 | —15 14 11,76 |
| | Apr. 10 | 42,587 | 33,72 | | Apr. 10 | 17,598 | 11,04 |
| | Jul. 19 | 42,623 | 34,40 | | Jul. 19 | 17,544 | 10,33 |
| | Oct. 27 | 42,667 | 35,09 | | Oct. 27 | 17,481 | 9,61 |
| | Dec. 66 | 42,720 | 35,80 | | Dec. 66 | 17,410 | 8,89 |
| 1799 | Jan. 0 | 14 39 45,999 | —15 11 51,00 | 1809 | Jan. 0 | 14 40 20,734 | —15 14 24,54 |
| | Apr. 10 | 46,057 | 51,70 | | Apr. 10 | 20,658 | 23,83 |
| | Jul. 19 | 46,121 | 52,40 | | Jul. 19 | 20,577 | 23,14 |
| | Oct. 27 | 46,192 | 53,09 | | Oct. 27 | 20,490 | 22,47 |
| | Dec. 66 | 46,269 | 53,77 | | Dec. 66 | 20,397 | 21,82 |

## Tabulae X. Sect. III. 2α *Librae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,632 | +31,7 | + 3,43 | −15,4 | −3 | +1 |
| 10 | −0,357 | +32,9 | + 1,84 | −16,3 | −3 | +1 |
| 20 | −0,024 | +33,3 | + 0,17 | −16,8 | −3 | +2 |
| 30 | +0,308 | +32,7 | − 1,51 | −16,6 | −3 | +2 |
| Febr. 9 | +0,629 | +31,3 | − 3,14 | −15,9 | −3 | +2 |
| 19 | +0,933 | +29,3 | − 4,69 | −14,8 | −3 | +2 |
| Mart. 1 | +1,215 | +26,9 | − 6,10 | −13,3 | −2 | +2 |
| 11 | +1,471 | +24,2 | − 7,35 | −11,6 | −2 | +3 |
| 21 | +1,699 | +21,4 | − 8,42 | − 9,8 | −1 | +3 |
| 31 | +1,899 | +18,5 | − 9,30 | − 7,9 | −1 | +3 |
| Apr. 10 | +2,069 | +15,6 | −10,00 | − 6,2 | 0 | +2 |
| 20 | +2,210 | +12,7 | −10,53 | − 4,5 | 0 | +2 |
| 30 | +2,322 | + 9,9 | −10,90 | − 3,1 | +1 | +2 |
| Maj. 10 | +2,407 | + 7,1 | −11,14 | − 1,8 | +1 | +2 |
| 20 | +2,464 | + 4,4 | −11,26 | − 0,7 | +2 | +2 |
| 30 | +2,494 | + 1,6 | −11,27 | + 0,4 | +2 | +2 |
| Jun. 9 | +2,496 | − 1,1 | −11,19 | + 1,2 | +3 | +2 |
| 19 | +2,472 | − 3,7 | −11,03 | + 2,0 | +3 | +1 |
| 29 | +2,423 | − 6,2 | −10,80 | + 2,7 | +4 | +1 |
| Jul. 9 | +2,349 | − 8,5 | −10,50 | + 3,3 | +4 | +1 |
| 19 | +2,253 | −10,6 | −10,14 | + 3,9 | +4 | +1 |
| 29 | +2,137 | −12,3 | − 9,73 | + 4,4 | +4 | +1 |
| Aug. 8 | +2,008 | −13,4 | − 9,26 | + 4,9 | +4 | 0 |
| 18 | +1,870 | −13,9 | − 8,76 | + 5,1 | +4 | 0 |
| 28 | +1,730 | −13,8 | − 8,25 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,595 | −12,8 | − 7,73 | + 5,1 | +3 | 0 |
| 17 | +1,475 | −10,9 | − 7,24 | + 4,6 | +3 | 0 |
| 27 | +1,377 | − 8,2 | − 6,81 | + 3,8 | +3 | 0 |
| Oct. 7 | +1,311 | − 4,7 | − 6,49 | + 2,5 | +2 | 0 |
| 17 | +1,284 | − 0,5 | − 6,31 | + 1,0 | +2 | +1 |
| 27 | +1,302 | + 4,3 | − 6,30 | − 1,0 | +1 | +1 |
| Nov. 6 | +1,369 | + 9,3 | − 6,50 | − 3,2 | +1 | +1 |
| 16 | +1,488 | +14,4 | − 6,94 | − 5,6 | 0 | +2 |
| 26 | +1,657 | +19,3 | − 7,62 | − 8,1 | 0 | +2 |
| Dec. 6 | +1,873 | +23,7 | − 8,55 | −10,5 | −1 | +3 |
| 16 | +2,131 | +27,5 | − 9,71 | −12,6 | −1 | +3 |
| 26 | +2,422 | +30,3 | −11,07 | −14,4 | −1 | +4 |
| 36 | +2,737 | +32,3 | −12,59 | −15,8 | −2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 14 39 17,2640 | − 15 9 32,408 |
| 1791 | 39 20,5606 | 9 47,875 |
| 1792 | 39 23,8574 | 10 3,339 |
| 1793 | 39 27,1543 | 10 18,800 |
| 1794 | 39 30,4514 | 10 34,257 |
| 1795 | 39 33,7487 | 10 49,710 |
| 1796 | 39 37,0461 | 11 5,161 |
| 1797 | 39 40,3437 | 11 20,609 |
| 1798 | 39 43,6414 | 11 36,054 |
| 1799 | 39 46,9393 | 11 51,496 |
| 1800 | 39 50,2372 | 12 6,935 |
| 1801 | 39 53,5354 | 12 22,371 |
| 1802 | 39 56,8337 | 12 37,803 |
| 1803 | 40 0,1322 | 12 53,232 |
| 1804 | 40 3,4308 | 13 8,658 |
| 1805 | 40 6,7296 | 13 24,081 |
| 1806 | 40 10,0285 | 13 39,501 |
| 1807 | 40 13,3276 | 13 54,918 |
| 1808 | 40 16,6269 | 14 10,332 |
| 1809 | 40 19,9263 | 14 25,742 |
| 1810 | 40 23,2259 | 14 41,149 |

Diei reducto addendum est:

ante } Nov. 4 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Coronae.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 15h 25′ 48″,556 | +27° 25′ 52″,00 |
| | Apr. 10 | 48,487 | 52,74 |
| | Jul. 19 | 48,415 | 53,46 |
| | Oct. 27 | 48,339 | 54,15 |
| | Dec. 66 | 48,260 | 54,81 |
| 1791 | Jan. 0 | 15 25 50,823 | +27 25 42,02 |
| | Apr. 10 | 50,743 | 42,66 |
| | Jul. 19 | 50,662 | 43,25 |
| | Oct. 27 | 50,581 | 43,79 |
| | Dec. 66 | 50,499 | 44,28 |
| 1792 | Jan. 1 | 15 25 53,062 | +27 25 31,56 |
| | Apr. 10 | 52,980 | 32,01 |
| | Jul. 19 | 52,901 | 32,40 |
| | Oct. 27 | 52,823 | 32,73 |
| | Dec. 66 | 52,748 | 33,00 |
| 1793 | Jan. 0 | 15 25 55,309 | +27 25 20,35 |
| | Apr. 10 | 55,236 | 20,57 |
| | Jul. 19 | 55,167 | 20,72 |
| | Oct. 27 | 55,103 | 20,80 |
| | Dec. 66 | 55,043 | 20,80 |
| 1794 | Jan. 0 | 15 25 57,598 | +27 25 8,24 |
| | Apr. 10 | 57,542 | 8,20 |
| | Jul. 19 | 57,493 | 8,09 |
| | Oct. 27 | 57,449 | 7,91 |
| | Dec. 66 | 57,412 | 7,65 |
| 1795 | Jan. 0 | 15 25 59,960 | +27 24 55,18 |
| | Apr. 10 | 59,927 | 54,88 |
| | Jul. 19 | 59,902 | 54,53 |
| | Oct. 27 | 59,884 | 54,11 |
| | Dec. 66 | 59,874 | 53,63 |
| 1796 | Jan. 1 | 15 26 2,413 | +27 24 41,24 |
| | Apr. 10 | 2,407 | 40,72 |
| | Jul. 19 | 2,409 | 40,16 |
| | Oct. 27 | 2,419 | 39,56 |
| | Dec. 66 | 2,436 | 38,92 |
| 1797 | Jan. 0 | 15 26 4,964 | +27 24 26,58 |
| | Apr. 10 | 4,986 | 25,92 |
| | Jul. 19 | 5,015 | 25,23 |
| | Oct. 27 | 5,050 | 24,52 |
| | Dec. 66 | 5,091 | 23,78 |
| 1798 | Jan. 0 | 15 26 7,612 | +27 24 11,47 |
| | Apr. 10 | 7,658 | 10,73 |
| | Jul. 19 | 7,709 | 9,99 |
| | Oct. 27 | 7,765 | 9,25 |
| | Dec. 66 | 7,826 | 8,51 |
| 1799 | Jan. 0 | 15 26 10,341 | +27 23 56,21 |
| | Apr. 10 | 10,405 | 55,47 |
| | Jul. 19 | 10,472 | 54,76 |
| | Oct. 27 | 10,542 | 54,07 |
| | Dec. 66 | 10,615 | 53,40 |
| 1800 | Jan. 0 | 15h 26′ 13″,126 | +27° 23′ 41″,08 |
| | Apr. 10 | 13,202 | 40,43 |
| | Jul. 19 | 13,278 | 39,83 |
| | Oct. 27 | 13,355 | 39,26 |
| | Dec. 66 | 13,433 | 38,74 |
| 1801 | Jan. 0 | 15 26 15,943 | +27 23 26,37 |
| | Apr. 10 | 16,021 | 25,88 |
| | Jul. 19 | 16,098 | 25,44 |
| | Oct. 27 | 16,174 | 25,06 |
| | Dec. 66 | 16,249 | 24,74 |
| 1802 | Jan. 0 | 15 26 18,760 | +27 23 12,30 |
| | Apr. 10 | 18,833 | 12,02 |
| | Jul. 19 | 18,903 | 11,80 |
| | Oct. 27 | 18,970 | 11,64 |
| | Dec. 66 | 19,033 | 11,55 |
| 1803 | Jan. 0 | 15 26 21,548 | +27 22 59,04 |
| | Apr. 10 | 21,609 | 58,99 |
| | Jul. 19 | 21,664 | 59,01 |
| | Oct. 27 | 21,714 | 59,10 |
| | Dec. 66 | 21,759 | 59,25 |
| 1804 | Jan. 1 | 15 26 24,280 | +27 22 46,66 |
| | Apr. 10 | 24,321 | 46,86 |
| | Jul. 19 | 24,356 | 47,12 |
| | Oct. 27 | 24,384 | 47,44 |
| | Dec. 66 | 24,406 | 47,83 |
| 1805 | Jan. 0 | 15 26 26,935 | +27 22 35,16 |
| | Apr. 10 | 26,952 | 35,58 |
| | Jul. 19 | 26,962 | 36,06 |
| | Oct. 27 | 26,965 | 36,59 |
| | Dec. 66 | 26,960 | 37,17 |
| 1806 | Jan. 0 | 15 26 29,498 | +27 22 24,44 |
| | Apr. 10 | 29,488 | 25,05 |
| | Jul. 19 | 29,471 | 25,69 |
| | Oct. 27 | 29,447 | 26,36 |
| | Dec. 66 | 29,416 | 27,07 |
| 1807 | Jan. 0 | 15 26 31,964 | +27 22 14,31 |
| | Apr. 10 | 31,928 | 15,04 |
| | Jul. 19 | 31,886 | 15,78 |
| | Oct. 27 | 31,838 | 16,53 |
| | Dec. 66 | 31,783 | 17,29 |
| 1808 | Jan. 1 | 15 26 34,338 | +27 22 4,51 |
| | Apr. 10 | 34,280 | 5,28 |
| | Jul. 19 | 34,217 | 6,03 |
| | Oct. 27 | 34,149 | 6,77 |
| | Dec. 66 | 34,077 | 7,49 |
| 1809 | Jan. 0 | 15 26 36,638 | +27 21 54,74 |
| | Apr. 10 | 36,564 | 55,45 |
| | Jul. 19 | 36,487 | 56,12 |
| | Oct. 27 | 36,409 | 56,76 |
| | Dec. 66 | 36,328 | 57,37 |

## Tabulae X. Sect. III. *α Coronae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,014 | +28,0 | − 7,77 | −27,5 | −2 | +2 |
| 10 | −0,719 | +30,6 | −10,40 | −24,8 | −2 | +2 |
| 20 | −0,403 | +32,2 | −12,72 | −21,3 | −2 | +2 |
| 30 | −0,075 | +32,9 | −14,66 | −17,2 | −3 | +2 |
| Febr. 9 | +0,254 | +32,7 | −16,15 | −12,4 | −3 | +1 |
| 19 | +0,578 | +31,7 | −17,14 | − 7,3 | −3 | +1 |
| Mart. 1 | +0,887 | +29,9 | −17,61 | − 2,1 | −3 | +1 |
| 11 | +1,176 | +27,7 | −17,55 | + 3,1 | −3 | 0 |
| 21 | +1,440 | +25,0 | −17,00 | + 7,8 | −2 | 0 |
| 31 | +1,676 | +22,1 | −15,99 | +12,1 | −2 | 0 |
| Apr. 10 | +1,881 | +18,9 | −14,58 | +15,7 | −2 | 0 |
| 20 | +2,054 | +15,6 | −12,85 | +18,6 | −1 | −1 |
| 30 | +2,193 | +12,3 | −10,87 | +20,6 | −1 | −1 |
| Maj. 10 | +2,299 | + 8,9 | − 8,74 | +21,8 | 0 | −1 |
| 20 | +2,371 | + 5,6 | − 6,52 | +22,2 | 0 | −1 |
| 30 | +2,410 | + 2,2 | − 4,31 | +21,8 | +1 | −1 |
| Jun. 9 | +2,415 | − 1,2 | − 2,17 | +20,7 | +1 | −1 |
| 19 | +2,387 | − 4,4 | − 0,18 | +19,0 | +1 | 0 |
| 29 | +2,328 | − 7,5 | + 1,62 | +16,8 | +2 | 0 |
| Jul. 9 | +2,238 | −10,4 | + 3,17 | +14,1 | +2 | 0 |
| 19 | +2,121 | −12,9 | + 4,44 | +11,2 | +2 | 0 |
| 29 | +1,980 | −15,1 | + 5,40 | + 8,0 | +2 | 0 |
| Aug. 8 | +1,819 | −16,9 | + 6,03 | + 4,6 | +3 | +1 |
| 18 | +1,643 | −18,0 | + 6,32 | + 1,1 | +3 | +1 |
| 28 | +1,459 | −18,5 | + 6,24 | − 2,6 | +3 | +1 |
| Sept. 7 | +1,274 | −18,1 | + 5,80 | − 6,2 | +3 | +2 |
| 17 | +1,097 | −16,8 | + 5,00 | − 9,8 | +2 | +2 |
| 27 | +0,938 | −14,7 | + 3,84 | −13,4 | +2 | +3 |
| Oct. 7 | +0,803 | −11,8 | + 2,33 | −16,8 | +2 | +3 |
| 17 | +0,702 | − 8,0 | + 0,48 | −20,1 | +2 | +3 |
| 27 | +0,644 | − 3,5 | − 1,69 | −23,1 | +1 | +4 |
| Nov. 6 | +0,633 | + 1,5 | − 4,13 | −25,6 | +1 | +4 |
| 16 | +0,674 | + 6,8 | − 6,81 | −27,6 | 0 | +4 |
| 26 | +0,768 | +12,1 | − 9,66 | −29,1 | 0 | +5 |
| Dec. 6 | +0,915 | +17,2 | −12,63 | −29,8 | 0 | +5 |
| 16 | +1,112 | +21,9 | −15,62 | −29,6 | −1 | +5 |
| 26 | +1,352 | +25,9 | −18,55 | −28,6 | −1 | +5 |
| 36 | +1,629 | +29,1 | −21,33 | −26,6 | −2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 15 25 48,0634 | +27 25 50,268 |
| 1791 | 25 50,5990 | 25 37,698 |
| 1792 | 25 53,1346 | 25 25,130 |
| 1793 | 25 55,6702 | 25 12,565 |
| 1794 | 25 58,2058 | 25 0,003 |
| 1795 | 26 0,7415 | 24 47,445 |
| 1796 | 26 3,2772 | 24 34,889 |
| 1797 | 26 5,8129 | 24 22,336 |
| 1798 | 26 8,3487 | 24 9,786 |
| 1799 | 26 10,8845 | 23 57,239 |
| 1800 | 26 13,4203 | 23 44,696 |
| 1801 | 26 15,9561 | 23 32,155 |
| 1802 | 26 18,4919 | 23 19,617 |
| 1803 | 26 21,0278 | 23 7,082 |
| 1804 | 26 23,5637 | 22 54,550 |
| 1805 | 26 26,0996 | 22 42,021 |
| 1806 | 26 28,6355 | 22 29,495 |
| 1807 | 26 31,1715 | 22 16,972 |
| 1808 | 26 33,7075 | 22 4,452 |
| 1809 | 26 36,2436 | 21 51,935 |
| 1810 | 26 38,7796 | 21 39,420 |

Diei reducto addendum est:

ante } Nov. 15 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *a Serpentis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 15h 33′ 56″,760 | + 7° 5′ 52″,13 | 1800 | Jan. 0 | 15h 34′ 25″,045 | + 7° 3′ 47″,47 |
| | Apr. 10 | 56,692 | 52,87 | | Apr. 10 | 25,124 | 46,83 |
| | Jul. 19 | 56,618 | 53,59 | | Jul. 19 | 25,206 | 46,23 |
| | Oct. 27 | 56,540 | 54,27 | | Oct. 27 | 25,290 | 45,68 |
| | Dec. 66 | 56,457 | 54,93 | | Dec. 66 | 25,377 | 45,17 |
| 1791 | Jan. 0 | 15 33 59,432 | + 7 5 42,82 | 1801 | Jan. 0 | 15 34 28,296 | + 7 3 33,47 |
| | Apr. 10 | 59,346 | 43,45 | | Apr. 10 | 28,384 | 32,99 |
| | Jul. 19 | 59,258 | 44,03 | | Jul. 19 | 28,472 | 32,57 |
| | Oct. 27 | 59,168 | 44,56 | | Oct. 27 | 28,560 | 32,21 |
| | Dec. 66 | 59,076 | 45,04 | | Dec. 66 | 28,648 | 31,90 |
| 1792 | Jan. 1 | 15 34 2,054 | + 7 5 32,99 | 1802 | Jan. 0 | 15 34 31,566 | + 7 3 20,14 |
| | Apr. 10 | 1,961 | 33,43 | | Apr. 10 | 31,653 | 19,88 |
| | Jul. 19 | 1,868 | 33,80 | | Jul. 19 | 31,738 | 19,68 |
| | Oct. 27 | 1,777 | 34,11 | | Oct. 27 | 31,820 | 19,55 |
| | Dec. 66 | 1,686 | 34,36 | | Dec. 66 | 31,900 | 19,48 |
| 1793 | Jan. 0 | 15 34 4,663 | + 7 5 22,40 | 1803 | Jan. 0 | 15 34 34,821 | + 7 3 7,64 |
| | Apr. 10 | 4,574 | 22,60 | | Apr. 10 | 34,899 | 7,62 |
| | Jul. 19 | 4,489 | 22,72 | | Jul. 19 | 34,972 | 7,66 |
| | Oct. 27 | 4,408 | 22,77 | | Oct. 27 | 35,040 | 7,77 |
| | Dec. 66 | 4,330 | 22,75 | | Dec. 66 | 35,103 | 7,95 |
| 1794 | Jan. 0 | 15 34 7,303 | + 7 5 10,89 | 1804 | Jan. 1 | 15 34 38,030 | + 7 2 56,04 |
| | Apr. 10 | 7,228 | 10,82 | | Apr. 10 | 38,089 | 56,26 |
| | Jul. 19 | 7,160 | 10,68 | | Jul. 19 | 38,142 | 56,55 |
| | Oct. 27 | 7,098 | 10,47 | | Oct. 27 | 38,188 | 56,89 |
| | Dec. 66 | 7,042 | 10,19 | | Dec. 66 | 38,228 | 57,30 |
| 1795 | Jan. 0 | 15 34 10,007 | + 7 4 58,41 | 1805 | Jan. 0 | 15 34 41,164 | + 7 2 45,31 |
| | Apr. 10 | 9,956 | 58,09 | | Apr. 10 | 41,198 | 45,76 |
| | Jul. 19 | 9,912 | 57,70 | | Jul. 19 | 41,225 | 46,26 |
| | Oct. 27 | 9,877 | 57,26 | | Oct. 27 | 41,244 | 46,81 |
| | Dec. 66 | 9,849 | 56,76 | | Dec. 66 | 41,255 | 47,41 |
| 1796 | Jan. 1 | 15 34 12,805 | + 7 4 45,06 | 1806 | Jan. 0 | 15 34 44,200 | + 7 2 35,36 |
| | Apr. 10 | 12,780 | 44,52 | | Apr. 10 | 44,205 | 35,79 |
| | Jul. 19 | 12,764 | 43,94 | | Jul. 19 | 44,202 | 36,65 |
| | Oct. 27 | 12,761 | 43,32 | | Oct. 27 | 44,191 | 37,34 |
| | Dec. 66 | 12,766 | 42,65 | | Dec. 66 | 44,171 | 38,06 |
| 1797 | Jan. 0 | 15 34 15,711 | + 7 4 31,01 | 1807 | Jan. 0 | 15 34 47,127 | + 7 2 25,98 |
| | Apr. 10 | 15,720 | 30,32 | | Apr. 10 | 47,101 | 26,72 |
| | Jul. 19 | 15,736 | 29,62 | | Jul. 19 | 47,068 | 27,47 |
| | Oct. 27 | 15,761 | 28,89 | | Oct. 27 | 47,027 | 28,23 |
| | Dec. 66 | 15,793 | 28,15 | | Dec. 66 | 46,979 | 29,00 |
| 1798 | Jan. 0 | 15 34 18,729 | + 7 4 16,53 | 1808 | Jan. 1 | 15 34 49,944 | + 7 2 16,91 |
| | Apr. 10 | 18,767 | 15,78 | | Apr. 10 | 49,891 | 17,68 |
| | Jul. 19 | 18,811 | 15,02 | | Jul. 19 | 49,831 | 18,43 |
| | Oct. 27 | 18,862 | 14,27 | | Oct. 27 | 49,765 | 19,17 |
| | Dec. 66 | 18,920 | 13,53 | | Dec. 66 | 49,692 | 19,90 |
| 1799 | Jan. 0 | 15 34 21,847 | + 7 4 1,91 | 1809 | Jan. 0 | 15 34 52,665 | + 7 2 7,82 |
| | Apr. 10 | 21,909 | 1,17 | | Apr. 10 | 52,589 | 8,53 |
| | Jul. 19 | 21,976 | 0,46 | | Jul. 19 | 52,509 | 9,20 |
| | Oct. 27 | 22,048 | 3 59,77 | | Oct. 27 | 52,425 | 9,83 |
| | Dec. 66 | 22,124 | 59,11 | | Dec. 66 | 52,337 | 10,43 |

## Tabulae X. Sect. III. *α Serpentis.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,929 | +26,9 | — 2,81 | —21,6 | —2 | +1 |
| 10 | —0,647 | +29,1 | — 4,93 | —20,6 | —2 | +2 |
| 20 | —0,348 | +30,5 | — 6,92 | —18,9 | —3 | +2 |
| 30 | —0,038 | +31,0 | — 8,70 | —16,5 | —3 | +2 |
| Febr. 9 | +0,272 | +30,7 | —10,22 | —13,6 | —3 | +2 |
| 19 | +0,575 | +29,7 | —11,42 | —10,3 | —3 | +2 |
| Mart. 1 | +0,866 | +28,3 | —12,27 | — 6,7 | —3 | +1 |
| 11 | +1,140 | +26,4 | —12,76 | — 3,1 | —2 | +1 |
| 21 | +1,393 | +24,1 | —12,88 | + 0,5 | —2 | +1 |
| 31 | +1,622 | +21,7 | —12,66 | + 3,8 | —2 | +1 |
| Apr. 10 | +1,827 | +19,2 | —12,13 | + 6,7 | —1 | +1 |
| 20 | +2,005 | +16,5 | —11,33 | + 9,1 | —1 | +1 |
| 30 | +2,157 | +13,8 | —10,31 | +10,9 | 0 | +1 |
| Maj. 10 | +2,280 | +11,0 | — 9,15 | +12,2 | 0 | +1 |
| 20 | +2,376 | + 8,1 | — 7,88 | +13,0 | +1 | +1 |
| 30 | +2,442 | + 5,1 | — 6,56 | +13,2 | +1 | +1 |
| Jun. 9 | +2,478 | + 2,2 | — 5,25 | +12,9 | +1 | +1 |
| 19 | +2,485 | — 0,8 | — 3,98 | +12,3 | +2 | +1 |
| 29 | +2,462 | — 3,8 | — 2,80 | +11,3 | +2 | +1 |
| Jul. 9 | +2,410 | — 6,6 | — 1,73 | +10,0 | +2 | +1 |
| 19 | +2,330 | — 9,3 | — 0,80 | + 8,5 | +3 | +1 |
| 29 | +2,225 | —11,6 | — 0,03 | + 6,9 | +3 | +1 |
| Aug. 8 | +2,099 | —13,5 | + 0,57 | + 5,1 | +3 | +1 |
| 18 | +1,956 | —14,8 | + 0,98 | + 3,2 | +3 | +1 |
| 28 | +1,804 | —15,4 | + 1,20 | + 1,2 | +3 | +1 |
| Sept. 7 | +1,648 | —15,3 | + 1,21 | — 1,0 | +3 | +2 |
| 17 | +1,498 | —14,3 | + 1,01 | — 3,3 | +3 | +2 |
| 27 | +1,363 | —12,4 | + 0,57 | — 5,6 | +3 | +2 |
| Oct. 7 | +1,250 | — 9,8 | — 0,10 | — 7,9 | +2 | +2 |
| 17 | +1,168 | — 6,2 | — 1,01 | —10,3 | +2 | +3 |
| 27 | +1,126 | — 2,0 | — 2,16 | —12,8 | +1 | +3 |
| Nov. 6 | +1,128 | + 2,6 | — 3,56 | —15,2 | +1 | +3 |
| 16 | +1,178 | + 7,5 | — 5,19 | —17,3 | +1 | +4 |
| 26 | +1,278 | +12,5 | — 7,02 | —19,2 | 0 | +4 |
| Dec. 6 | +1,427 | +17,2 | — 9,02 | —20,6 | 0 | +4 |
| 16 | +1,622 | +21,5 | —11,14 | —21,5 | —1 | +5 |
| 26 | +1,856 | +25,0 | —13,31 | —21,7 | —1 | +5 |
| 36 | +2,122 | +27,9 | —15,48 | —21,3 | —2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 15 33 56,0639 | + 7 5 50,127 |
| 1791 | 33 59,0109 | 5 38,234 |
| 1792 | 34 1,9579 | 5 26,343 |
| 1793 | 34 4,9050 | 5 14,457 |
| 1794 | 34 7,8521 | 5 2,574 |
| 1795 | 34 10,7993 | 4 50,694 |
| 1796 | 34 13,7466 | 4 38,818 |
| 1797 | 34 16,6939 | 4 26,946 |
| 1798 | 34 19,6413 | 4 15,077 |
| 1799 | 34 22,5888 | 4 3,211 |
| 1800 | 34 25,5363 | 3 51,349 |
| 1801 | 34 28,4839 | 3 39,490 |
| 1802 | 34 31,4315 | 3 27,635 |
| 1803 | 34 34,3792 | 3 15,784 |
| 1804 | 34 37,3270 | 3 3,936 |
| 1805 | 34 40,2749 | 2 52,091 |
| 1806 | 34 43,2228 | 2 40,250 |
| 1807 | 34 46,1703 | 2 28,412 |
| 1808 | 34 49,1188 | 2 16,578 |
| 1809 | 34 52,0668 | 2 4,747 |
| 1810 | 34 55,0150 | 1 52,920 |

Diei reducto addendum est:

ante } Nov. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Scorpii.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 16h 16′ 34″,446 | —25° 56′ 57″,98 | 1800 | Jan. 0 | 16h 17′ 9″,263 | —25° 58′ 34″,23 |
| | Apr. 10 | 34,373 | 57,25 | | Apr. 10 | 9,353 | 34,83 |
| | Jul. 19 | 34,293 | 56,56 | | Jul. 19 | 9,448 | 35,37 |
| | Oct. 27 | 34,205 | 55,91 | | Oct. 27 | 9,548 | 35,86 |
| | Dec. 66 | 34,110 | 55,30 | | Dec. 66 | 9,652 | 36,30 |
| 1791 | Jan. 0 | 16 16 37,798 | —25 57 4,29 | 1801 | Jan. 0 | 16 17 13,274 | —25 58 44,90 |
| | Apr. 10 | 37,699 | 3,72 | | Apr. 10 | 13,381 | 45,30 |
| | Jul. 19 | 37,595 | 3,21 | | Jul. 19 | 13,488 | 45,63 |
| | Oct. 27 | 37,487 | 2,76 | | Oct. 27 | 13,597 | 45,90 |
| | Dec. 66 | 37,375 | 2,36 | | Dec. 66 | 13,708 | 46,10 |
| 1792 | Jan. 1 | 16 16 41,069 | —25 57 11,27 | 1802 | Jan. 0 | 16 17 17,329 | —25 58 54,78 |
| | Apr. 10 | 40,955 | 10,93 | | Apr. 10 | 17,440 | 54,94 |
| | Jul. 19 | 40,840 | 10,65 | | Jul. 19 | 17,549 | 55,03 |
| | Oct. 27 | 40,725 | 10,45 | | Oct. 27 | 17,657 | 55,05 |
| | Dec. 66 | 40,609 | 10,32 | | Dec. 66 | 17,763 | 54,99 |
| 1793 | Jan. 0 | 16 16 44,304 | —25 57 19,13 | 1803 | Jan. 0 | 16 17 21,386 | —25 59 3,75 |
| | Apr. 10 | 44,189 | 19,05 | | Apr. 10 | 21,490 | 3,65 |
| | Jul. 19 | 44,078 | 19,05 | | Jul. 19 | 21,589 | 3,49 |
| | Oct. 27 | 43,969 | 19,11 | | Oct. 27 | 21,683 | 3,25 |
| | Dec. 66 | 43,864 | 19,27 | | Dec. 66 | 21,773 | 2,95 |
| 1794 | Jan. 0 | 16 16 47,555 | —25 57 27,94 | 1804 | Jan. 1 | 16 17 25,402 | —25 59 11,79 |
| | Apr. 10 | 47,453 | 28,17 | | Apr. 10 | 25,488 | 11,44 |
| | Jul. 19 | 47,357 | 28,46 | | Jul. 19 | 25,567 | 11,03 |
| | Oct. 27 | 47,268 | 28,80 | | Oct. 27 | 25,638 | 10,57 |
| | Dec. 66 | 47,185 | 29,20 | | Dec. 66 | 25,702 | 10,04 |
| 1795 | Jan. 0 | 16 16 50,869 | —25 57 37,83 | 1805 | Jan. 0 | 16 17 29,340 | —25 59 18,95 |
| | Apr. 10 | 50,792 | 38,28 | | Apr. 10 | 29,398 | 18,39 |
| | Jul. 19 | 50,723 | 38,78 | | Jul. 19 | 29,447 | 17,78 |
| | Oct. 27 | 50,664 | 39,34 | | Oct. 27 | 29,486 | 17,13 |
| | Dec. 66 | 50,614 | 39,95 | | Dec. 66 | 29,516 | 16,44 |
| 1796 | Jan. 1 | 16 16 54,286 | —25 57 48,50 | 1806 | Jan. 0 | 16 17 33,166 | —25 59 25,39 |
| | Apr. 10 | 54,242 | 49,14 | | Apr. 10 | 33,189 | 24,68 |
| | Jul. 19 | 54,209 | 49,82 | | Jul. 19 | 33,202 | 23,94 |
| | Oct. 27 | 54,185 | 50,53 | | Oct. 27 | 33,204 | 23,19 |
| | Dec. 66 | 54,172 | 51,28 | | Dec. 66 | 33,197 | 22,39 |
| 1797 | Jan. 0 | 16 16 57,832 | —25 57 59,79 | 1807 | Jan. 0 | 16 17 36,859 | —25 59 31,36 |
| | Apr. 10 | 57,826 | 58 0,55 | | Apr. 10 | 36,844 | 30,57 |
| | Jul. 19 | 57,830 | 1,32 | | Jul. 19 | 36,819 | 29,78 |
| | Oct. 27 | 57,844 | 2,10 | | Oct. 27 | 36,783 | 28,99 |
| | Dec. 66 | 57,869 | 2,89 | | Dec. 66 | 36,737 | 28,19 |
| 1798 | Jan. 0 | 16 17 1,517 | —25 58 11,39 | 1808 | Jan. 1 | 16 17 40,413 | —25 59 37,17 |
| | Apr. 10 | 1,548 | 12,18 | | Apr. 10 | 40,360 | 36,39 |
| | Jul. 19 | 1,588 | 12,95 | | Jul. 19 | 40,299 | 35,63 |
| | Oct. 27 | 1,638 | 13,72 | | Oct. 27 | 40,228 | 34,90 |
| | Dec. 66 | 1,697 | 14,47 | | Dec. 66 | 40,149 | 34,20 |
| 1799 | Jan. 0 | 16 17 5,334 | —25 58 22,97 | 1809 | Jan. 0 | 16 17 43,836 | —25 59 43,13 |
| | Apr. 10 | 5,398 | 23,71 | | Apr. 10 | 43,752 | 42,46 |
| | Jul. 19 | 5,470 | 24,41 | | Jul. 19 | 43,660 | 41,83 |
| | Oct. 27 | 5,549 | 25,07 | | Oct. 27 | 43,563 | 41,25 |
| | Dec. 66 | 5,635 | 25,68 | | Dec. 66 | 43,459 | 40,72 |

## Tabulae X. Sect. III. *a Scorpii.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1″,191 | +27,7 | + 4″,22 | − 4,8 | −3 | −1 | 1790 | 16 16 33,4557 | −25 57 1,356 |
| 10 | −0,898 | +30,5 | + 3,66 | − 6,4 | −3 | −1 | 1791 | 16 37,1119 | 57 10,148 |
| 20 | −0,581 | +32,5 | + 2,95 | − 7,7 | −3 | 0 | 1792 | 16 40,7683 | 57 18,935 |
| 30 | −0,248 | +33,7 | + 2,13 | − 8,6 | −4 | 0 | 1793 | 16 44,4248 | 57 27,717 |
| Febr. 9 | +0,092 | +34,0 | + 1,23 | − 9,2 | −4 | +1 | 1794 | 16 48,0815 | 57 36,494 |
| | | | | | | | 1795 | 16 51,7384 | 57 45,266 |
| 19 | +0,432 | +33,7 | + 0,30 | − 9,3 | −4 | +1 | 1796 | 16 55,3954 | 57 54,034 |
| Mart. 1 | +0,766 | +32,9 | − 0,63 | − 9,2 | −3 | +2 | 1797 | 16 59,0526 | 58 2,796 |
| 11 | +1,089 | +31,5 | − 1,53 | − 8,8 | −3 | +2 | 1798 | 17 2,7099 | 58 11,554 |
| 21 | +1,396 | +29,9 | − 2,38 | − 8,2 | −3 | +3 | 1799 | 17 6,3674 | 58 20,307 |
| 31 | +1,686 | +28,0 | − 3,16 | − 7,5 | −2 | +3 | 1800 | 17 10,0250 | 58 29,055 |
| | | | | | | | 1801 | 17 13,6828 | 58 37,798 |
| Apr. 10 | +1,955 | +25,8 | − 3,88 | − 6,9 | −2 | +3 | 1802 | 17 17,3408 | 58 46,537 |
| 20 | +2,201 | +23,4 | − 4,53 | − 6,2 | −1 | +4 | 1803 | 17 20,9989 | 58 55,270 |
| 30 | +2,423 | +20,8 | − 5,12 | − 5,7 | −1 | +4 | 1804 | 17 24,6572 | 59 3,999 |
| Maj. 10 | +2,617 | +18,0 | − 5,66 | − 5,1 | 0 | +4 | 1805 | 17 28,3156 | 59 12,723 |
| 20 | +2,782 | +14,9 | − 6,14 | − 4,7 | +1 | +4 | 1806 | 17 31,9742 | 59 21,442 |
| | | | | | | | 1807 | 17 35,6329 | 59 30,156 |
| 30 | +2,915 | +11,6 | − 6,59 | − 4,3 | +1 | +4 | 1808 | 17 39,2918 | 59 38,865 |
| Jun. 9 | +3,013 | + 8,0 | − 6,99 | − 3,9 | +2 | +4 | 1809 | 17 42,9509 | 59 47,570 |
| 19 | +3,075 | + 4,3 | − 7,36 | − 3,4 | +2 | +4 | 1810 | 17 46,6100 | 59 56,269 |
| 29 | +3,099 | + 0,5 | − 7,67 | − 2,9 | +3 | +4 | | | |
| Jul. 9 | +3,085 | − 3,3 | − 7,93 | − 2,3 | +4 | +4 | | | |
| 19 | +3,034 | − 7,0 | − 8,13 | − 1,6 | +4 | +4 | | | |
| 29 | +2,946 | −10,4 | − 8,24 | − 0,7 | +4 | +3 | | | |
| Aug. 8 | +2,827 | −13,2 | − 8,26 | + 0,4 | +4 | +3 | | | |
| 18 | +2,682 | −15,5 | − 8,17 | + 1,4 | +5 | +3 | | | |
| 28 | +2,517 | −17,0 | − 7,98 | + 2,5 | +5 | +2 | | | |
| Sept. 7 | +2,342 | −17,6 | − 7,68 | + 3,6 | +5 | +2 | | | |
| 17 | +2,166 | −17,2 | − 7,27 | + 4,5 | +4 | +2 | | | |
| 27 | +1,999 | −15,6 | − 6,79 | + 5,1 | +4 | +2 | | | |
| Oct. 7 | +1,854 | −13,0 | − 6,25 | + 5,6 | +4 | +1 | | | |
| 17 | +1,739 | − 9,5 | − 5,68 | + 5,6 | +3 | +1 | | | |
| 27 | +1,664 | − 5,1 | − 5,13 | + 5,2 | +3 | +1 | | | |
| Nov. 6 | +1,637 | − 0,1 | − 4,64 | + 4,4 | +2 | +1 | | | |
| 16 | +1,663 | + 5,4 | − 4,25 | + 3,3 | +2 | +2 | | | |
| 26 | +1,744 | +10,8 | − 3,99 | + 1,8 | +1 | +2 | | | |
| Dec. 6 | +1,879 | +16,2 | − 3,89 | + 0,1 | 0 | +2 | | | |
| 16 | +2,067 | +21,1 | − 3,98 | − 1,9 | 0 | +3 | | | |
| 26 | +2,301 | +25,4 | − 4,26 | − 3,7 | −1 | +3 | | | |
| 36 | +2,574 | +28,8 | − 4,72 | − 5,4 | −1 | +4 | | | |

Diei reducto addendum est:

ante / post } Nov. 27 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Herculis*.

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 17 5 5,387 | +14 38 35,40 | 1800 | Jan. 0 | 17 5 31,572 | +14 37 37,08 |
| | Apr. 10 | 5,324 | 36,08 | | Apr. 10 | 31,645 | 36,56 |
| | Jul. 19 | 5,256 | 36,71 | | Jul. 19 | 31,721 | 36,10 |
| | Oct. 27 | 5,183 | 37,29 | | Oct. 27 | 31,799 | 35,70 |
| | Dec. 66 | 5,106 | 37,82 | | Dec. 66 | 31,880 | 35,36 |
| 1791 | Jan. 0 | 17 5 7,862 | +14 38 32,92 | 1801 | Jan. 0 | 17 5 34,583 | +14 37 30,78 |
| | Apr. 10 | 7,782 | 33,40 | | Apr. 10 | 34,664 | 30,49 |
| | Jul. 19 | 7,700 | 33,82 | | Jul. 19 | 34,745 | 30,27 |
| | Oct. 27 | 7,616 | 34,17 | | Oct. 27 | 34,827 | 30,12 |
| | Dec. 66 | 7,530 | 34,45 | | Dec. 66 | 34,910 | 30,04 |
| 1792 | Jan. 1 | 17 5 10,289 | +14 38 29,64 | 1802 | Jan. 0 | 17 5 37,612 | +14 37 25,37 |
| | Apr. 10 | 10,202 | 29,86 | | Apr. 10 | 37,693 | 25,34 |
| | Jul. 19 | 10,116 | 30,01 | | Jul. 19 | 37,772 | 25,38 |
| | Oct. 27 | 10,031 | 30,08 | | Oct. 27 | 37,849 | 25,49 |
| | Dec. 66 | 9,947 | 30,08 | | Dec. 66 | 37,924 | 25,68 |
| 1793 | Jan. 0 | 17 5 12,705 | +14 38 25,37 | 1803 | Jan. 0 | 17 5 40,629 | +14 37 20,93 |
| | Apr. 10 | 12,622 | 25,31 | | Apr. 10 | 40,701 | 21,16 |
| | Jul. 19 | 12,542 | 25,18 | | Jul. 19 | 40,769 | 21,46 |
| | Oct. 27 | 12,466 | 24,97 | | Oct. 27 | 40,833 | 21,82 |
| | Dec. 66 | 12,394 | 24,69 | | Dec. 66 | 40,892 | 22,25 |
| 1794 | Jan. 0 | 17 5 15,147 | +14 38 20,07 | 1804 | Jan. 1 | 17 5 43,602 | +14 37 17,43 |
| | Apr. 10 | 15,078 | 19,74 | | Apr. 10 | 43,658 | 17,90 |
| | Jul. 19 | 15,014 | 19,34 | | Jul. 19 | 43,707 | 18,43 |
| | Oct. 27 | 14,956 | 18,87 | | Oct. 27 | 43,750 | 19,01 |
| | Dec. 66 | 14,903 | 18,34 | | Dec. 66 | 43,788 | 19,64 |
| 1795 | Jan. 0 | 17 5 17,650 | +14 38 13,81 | 1805 | Jan. 0 | 17 5 46,506 | +14 37 14,75 |
| | Apr. 10 | 17,602 | 13,24 | | Apr. 10 | 46,539 | 15,41 |
| | Jul. 19 | 17,561 | 12,63 | | Jul. 19 | 46,564 | 16,11 |
| | Oct. 27 | 17,527 | 11,96 | | Oct. 27 | 46,582 | 16,85 |
| | Dec. 66 | 17,501 | 11,25 | | Dec. 66 | 46,592 | 17,62 |
| 1796 | Jan. 1 | 17 5 20,239 | +14 38 6,79 | 1806 | Jan. 0 | 17 5 49,319 | +14 37 12,69 |
| | Apr. 10 | 20,217 | 6,05 | | Apr. 10 | 49,324 | 13,48 |
| | Jul. 19 | 20,205 | 5,29 | | Jul. 19 | 49,322 | 14,28 |
| | Oct. 27 | 20,199 | 4,51 | | Oct. 27 | 49,312 | 15,09 |
| | Dec. 66 | 20,201 | 3,71 | | Dec. 66 | 49,294 | 15,91 |
| 1797 | Jan. 0 | 17 5 22,929 | +14 37 59,27 | 1807 | Jan. 0 | 17 5 52,031 | +14 37 10,97 |
| | Apr. 10 | 22,937 | 58,46 | | Apr. 10 | 52,008 | 11,79 |
| | Jul. 19 | 22,952 | 57,65 | | Jul. 19 | 51,977 | 12,60 |
| | Oct. 27 | 22,974 | 56,84 | | Oct. 27 | 51,940 | 13,40 |
| | Dec. 66 | 23,004 | 56,03 | | Dec. 66 | 51,895 | 14,18 |
| 1798 | Jan. 0 | 17 5 25,723 | +14 37 51,60 | 1808 | Jan. 1 | 17 5 54,641 | +14 37 9,26 |
| | Apr. 10 | 25,757 | 50,80 | | Apr. 10 | 54,592 | 10,02 |
| | Jul. 19 | 25,798 | 50,03 | | Jul. 19 | 54,535 | 10,75 |
| | Oct. 27 | 25,845 | 49,28 | | Oct. 27 | 54,474 | 11,43 |
| | Dec. 66 | 25,899 | 48,56 | | Dec. 66 | 54,407 | 12,08 |
| 1799 | Jan. 0 | 17 5 28,610 | +14 37 44,10 | 1809 | Jan. 0 | 17 5 57,160 | +14 37 7,21 |
| | Apr. 10 | 28,667 | 43,40 | | Apr. 10 | 57,089 | 7,82 |
| | Jul. 19 | 28,729 | 42,75 | | Jul. 19 | 57,015 | 8,38 |
| | Oct. 27 | 28,796 | 42,15 | | Oct. 27 | 56,937 | 8,87 |
| | Dec. 66 | 28,867 | 41,59 | | Dec. 66 | 56,856 | 9,30 |

## Tabulae X. Sect. III. *α Herculis.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,262 | +19,3 | — 2,84 | —23,6 | —1 | +1 |
| 10 | —1,051 | +22,7 | — 5,16 | —22,6 | —1 | +1 |
| 20 | —0,809 | +25,4 | — 7,36 | —21,0 | —2 | +1 |
| 30 | —0,543 | +27,4 | — 9,35 | —18,5 | —2 | +1 |
| Febr. 9 | —0,261 | +28,8 | —11,05 | —15,3 | —2 | +1 |
| 19 | +0,032 | +29,5 | —12,40 | —11,5 | —3 | +1 |
| Mart. 1 | +0,328 | +29,5 | —13,34 | — 7,3 | —3 | +1 |
| 11 | +0,622 | +29,1 | —13,86 | — 3,0 | —3 | +1 |
| 21 | +0,909 | +28,2 | —13,94 | + 1,4 | —2 | +1 |
| 31 | +1,186 | +27,0 | —13,58 | + 5,6 | —2 | +1 |
| Apr. 10 | +1,449 | +25,5 | —12,82 | + 9,4 | —2 | +1 |
| 20 | +1,695 | +23,5 | —11,70 | +12,7 | —2 | +1 |
| 30 | +1,919 | +21,3 | —10,28 | +15,4 | —1 | +1 |
| Maj. 10 | +2,120 | +18,8 | — 8,62 | +17,5 | —1 | +1 |
| 20 | +2,294 | +15,9 | — 6,78 | +18,9 | —1 | +1 |
| 30 | +2,438 | +12,8 | — 4,85 | +19,5 | 0 | +1 |
| Jun. 9 | +2,549 | + 9,4 | — 2,88 | +19,6 | 0 | +1 |
| 19 | +2,626 | + 5,9 | — 0,94 | +19,0 | +1 | +1 |
| 29 | +2,666 | + 2,1 | + 0,91 | +18,9 | +1 | +1 |
| Jul. 9 | +2,668 | — 1,7 | + 2,64 | +16,5 | +1 | +1 |
| 19 | +2,633 | — 5,3 | + 4,20 | +14,6 | +2 | +1 |
| 29 | +2,562 | — 8,8 | + 5,55 | +12,4 | +2 | +1 |
| Aug. 8 | +2,457 | —12,0 | + 6,67 | +10,0 | +2 | +1 |
| 18 | +2,322 | —14,7 | + 7,54 | + 7,4 | +2 | +2 |
| 28 | +2,164 | —16,7 | + 8,15 | + 4,7 | +3 | +2 |
| Sept. 7 | +1,989 | —17,9 | + 8,48 | + 1,9 | +3 | +2 |
| 17 | +1,806 | —18,3 | + 8,53 | — 1,0 | +3 | +2 |
| 27 | +1,624 | —17,7 | + 8,28 | — 4,0 | +3 | +2 |
| Oct. 7 | +1,452 | —16,2 | + 7,74 | — 6,9 | +3 | +3 |
| 17 | +1,300 | —13,8 | + 6,90 | — 9,9 | +2 | +3 |
| 27 | +1,177 | —10,5 | + 5,77 | —12,8 | +2 | +3 |
| Nov. 6 | +1,091 | — 6,4 | + 4,35 | —15,6 | +2 | +4 |
| 16 | +1,049 | — 1,9 | + 2,66 | —18,1 | +1 | +4 |
| 26 | +1,053 | + 2,9 | + 0,73 | —20,3 | +1 | +4 |
| Dec. 6 | +1,106 | + 7,7 | — 1,40 | —22,0 | +1 | +4 |
| 16 | +1,207 | +12,5 | — 3,67 | —23,2 | 0 | +4 |
| 26 | +1,355 | +16,8 | — 6,03 | —23,6 | 0 | +5 |
| 36 | +1,543 | +20,7 | — 8,39 | —23,3 | —1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 17 5 4,7370 | +14 38 30,595 |
| 1791 | 5 7,4663 | 38 25,867 |
| 1792 | 5 10,1957 | 38 21,143 |
| 1793 | 5 12,9251 | 38 16,423 |
| 1794 | 5 15,6546 | 38 11,707 |
| 1795 | 5 18,3841 | 38 6,996 |
| 1796 | 5 21,1137 | 38 2,288 |
| 1797 | 5 23,8433 | 37 57,584 |
| 1798 | 5 26,5729 | 37 52,884 |
| 1799 | 5 29,3025 | 37 48,187 |
| 1800 | 5 32,0321 | 37 43,493 |
| 1801 | 5 34,7618 | 37 38,804 |
| 1802 | 5 37,4916 | 37 34,119 |
| 1803 | 5 40,2214 | 37 29,438 |
| 1804 | 5 42,9512 | 37 24,761 |
| 1805 | 5 45,6810 | 37 20,087 |
| 1806 | 5 48,4109 | 37 15,417 |
| 1807 | 5 51,1408 | 37 10,751 |
| 1808 | 5 53,8708 | 37 6,090 |
| 1809 | 5 56,6008 | 37 1,432 |
| 1810 | 5 59,3309 | 36 56,778 |

Diei reducto addendum est:

ante } Dec. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Ophiuchi.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1790 | Jan. 0 | 17 25 12,312 | +12 43 36,53 |
| | Apr. 10 | 12,249 | 37,18 |
| | Jul. 19 | 12,181 | 37,78 |
| | Oct. 27 | 12,108 | 38,32 |
| | Dec. 66 | 12,031 | 38,81 |
| 1791 | Jan. 0 | 17 25 14,833 | +12 43 35,41 |
| | Apr. 10 | 14,753 | 35,85 |
| | Jul. 19 | 14,670 | 36,22 |
| | Oct. 27 | 14,586 | 36,52 |
| | Dec. 66 | 14,499 | 36,75 |
| 1792 | Jan. 1 | 17 25 17,304 | +12 43 33,44 |
| | Apr. 10 | 17,217 | 33,61 |
| | Jul. 19 | 17,130 | 33,71 |
| | Oct. 27 | 17,043 | 33,73 |
| | Dec. 66 | 16,957 | 33,67 |
| 1793 | Jan. 0 | 17 25 19,762 | +12 43 30,46 |
| | Apr. 10 | 19,677 | 30,35 |
| | Jul. 19 | 19,596 | 30,16 |
| | Oct. 27 | 19,518 | 29,90 |
| | Dec. 66 | 19,444 | 29,56 |
| 1794 | Jan. 0 | 17 25 22,244 | +12 43 26,45 |
| | Apr. 10 | 22,173 | 26,06 |
| | Jul. 19 | 22,107 | 25,61 |
| | Oct. 27 | 22,047 | 25,09 |
| | Dec. 66 | 21,993 | 24,52 |
| 1795 | Jan. 0 | 17 25 24,786 | +12 43 21,49 |
| | Apr. 10 | 24,736 | 20,87 |
| | Jul. 19 | 24,694 | 20,22 |
| | Oct. 27 | 24,658 | 19,52 |
| | Dec. 66 | 24,630 | 18,78 |
| 1796 | Jan. 1 | 17 25 27,415 | +12 43 15,81 |
| | Apr. 10 | 27,392 | 15,04 |
| | Jul. 19 | 27,377 | 14,26 |
| | Oct. 27 | 27,370 | 13,46 |
| | Dec. 66 | 27,371 | 12,64 |
| 1797 | Jan. 0 | 17 25 30,146 | +12 43 9,70 |
| | Apr. 10 | 30,152 | 8,87 |
| | Jul. 19 | 30,165 | 8,05 |
| | Oct. 27 | 30,186 | 7,24 |
| | Dec. 66 | 30,215 | 6,44 |
| 1798 | Jan. 0 | 17 25 32,981 | +12 43 3,49 |
| | Apr. 10 | 33,015 | 2,70 |
| | Jul. 19 | 33,055 | 1,94 |
| | Oct. 27 | 33,102 | 1,20 |
| | Dec. 66 | 33,155 | 0,50 |
| 1799 | Jan. 0 | 17 25 35,912 | +12 42 57,52 |
| | Apr. 10 | 35,969 | 56,85 |
| | Jul. 19 | 36,031 | 56,23 |
| | Oct. 27 | 36,097 | 55,66 |
| | Dec. 66 | 36,168 | 55,14 |
| 1800 | Jan. 0 | 17 25 38,920 | +12 42 52,10 |
| | Apr. 10 | 38,994 | 51,62 |
| | Jul. 19 | 39,070 | 51,20 |
| | Oct. 27 | 39,149 | 50,85 |
| | Dec. 66 | 39,230 | 50,56 |
| 1801 | Jan. 0 | 17 25 41,979 | +12 42 47,44 |
| | Apr. 10 | 42,062 | 47,20 |
| | Jul. 19 | 42,145 | 47,03 |
| | Oct. 27 | 42,228 | 46,93 |
| | Dec. 66 | 42,311 | 46,90 |
| 1802 | Jan. 0 | 17 25 45,059 | +12 42 43,70 |
| | Apr. 10 | 45,142 | 43,72 |
| | Jul. 19 | 45,223 | 43,82 |
| | Oct. 27 | 45,301 | 43,98 |
| | Dec. 66 | 45,377 | 44,22 |
| 1803 | Jan. 0 | 17 25 48,128 | +12 42 40,94 |
| | Apr. 10 | 48,202 | 41,23 |
| | Jul. 19 | 48,272 | 41,58 |
| | Oct. 27 | 48,337 | 41,99 |
| | Dec. 66 | 48,399 | 42,47 |
| 1804 | Jan. 1 | 17 25 51,155 | +12 42 39,11 |
| | Apr. 10 | 51,212 | 39,63 |
| | Jul. 19 | 51,264 | 40,20 |
| | Oct. 27 | 51,309 | 40,82 |
| | Dec. 66 | 51,348 | 41,50 |
| 1805 | Jan. 0 | 17 25 54,112 | +12 42 38,08 |
| | Apr. 10 | 54,147 | 38,78 |
| | Jul. 19 | 54,174 | 39,51 |
| | Oct. 27 | 54,194 | 40,27 |
| | Dec. 66 | 54,206 | 41,07 |
| 1806 | Jan. 0 | 17 25 56,979 | +12 42 37,62 |
| | Apr. 10 | 56,986 | 38,43 |
| | Jul. 19 | 56,985 | 39,24 |
| | Oct. 27 | 56,976 | 40,06 |
| | Dec. 66 | 56,960 | 40,89 |
| 1807 | Jan. 0 | 17 25 59,743 | +12 42 37,43 |
| | Apr. 10 | 59,721 | 38,25 |
| | Jul. 19 | 59,691 | 39,06 |
| | Oct. 27 | 59,654 | 39,85 |
| | Dec. 66 | 59,610 | 40,61 |
| 1808 | Jan. 1 | 17 26 2,403 | +12 42 37,19 |
| | Apr. 10 | 2,354 | 37,93 |
| | Jul. 19 | 2,299 | 38,63 |
| | Oct. 27 | 2,238 | 39,29 |
| | Dec. 66 | 2,170 | 39,91 |
| 1809 | Jan. 0 | 17 26 4,970 | +12 42 36,54 |
| | Apr. 10 | 4,899 | 37,12 |
| | Jul. 19 | 4,825 | 37,63 |
| | Oct. 27 | 4,746 | 38,08 |
| | Dec. 66 | 4,664 | 38,47 |

## Tabulae X. Sect. III. *α Ophiuchi.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,292 | +17,5 | − 2,21 | −22,4 | −1 | +1 |
| 10 | −1,098 | +21,0 | − 4,43 | −21,7 | −1 | +1 |
| 20 | −0,872 | +23,9 | − 6,54 | −20,3 | −2 | +1 |
| 30 | −0,620 | +26,2 | − 8,48 | −18,1 | −2 | +1 |
| Febr. 9 | −0,349 | +27,6 | −10,15 | −15,2 | −2 | +1 |
| 19 | −0,065 | +28,8 | −11,51 | −11,7 | −2 | +1 |
| Mart. 1 | +0,226 | +29,2 | −12,48 | − 7,7 | −3 | +1 |
| 11 | +0,518 | +29,1 | −13,04 | − 3,5 | −3 | +1 |
| 21 | +0,807 | +28,6 | −13,18 | + 0,8 | −2 | +1 |
| 31 | +1,089 | +27,7 | −12,89 | + 4,8 | −2 | +1 |
| Apr. 10 | +1,360 | +26,4 | −12,22 | + 8,6 | −2 | +1 |
| 20 | +1,616 | +24,8 | −11,18 | +11,9 | −2 | +1 |
| 30 | +1,855 | +22,8 | − 9,84 | +14,7 | −2 | +1 |
| Maj. 10 | +2,072 | +20,5 | − 8,25 | +16,8 | −1 | +1 |
| 20 | +2,264 | +17,8 | − 6,48 | +18,2 | −1 | +1 |
| 30 | +2,427 | +14,8 | − 4,61 | +19,0 | 0 | +1 |
| Jun. 9 | +2,559 | +11,5 | − 2,68 | +19,2 | 0 | +1 |
| 19 | +2,656 | + 7,9 | − 0,77 | +18,8 | 0 | +1 |
| 29 | +2,716 | + 4,1 | + 1,07 | +17,8 | +1 | +1 |
| Jul. 9 | +2,738 | + 0,2 | + 2,79 | +16,5 | +1 | +1 |
| 19 | +2,720 | − 3,7 | + 4,36 | +14,8 | +2 | +1 |
| 29 | +2,665 | − 7,3 | + 5,74 | +12,7 | +2 | +2 |
| Aug. 8 | +2,574 | −10,8 | + 6,90 | +10,5 | +2 | +2 |
| 18 | +2,450 | −13,7 | + 7,83 | + 8,0 | +2 | +2 |
| 28 | +2,301 | −16,0 | + 8,50 | + 5,5 | +3 | +2 |
| Sept. 7 | +2,131 | −17,5 | + 8,92 | + 2,8 | +3 | +2 |
| 17 | +1,951 | −18,2 | + 9,06 | + 0,1 | +3 | +3 |
| 27 | +1,768 | −18,0 | + 8,93 | − 2,7 | +3 | +3 |
| Oct. 7 | +1,592 | −16,8 | + 8,52 | − 5,6 | +3 | +3 |
| 17 | +1,433 | −14,6 | + 7,82 | − 8,4 | +2 | +3 |
| 27 | +1,301 | −11,5 | + 6,84 | −11,2 | +2 | +4 |
| Nov. 6 | +1,203 | − 7,8 | + 5,58 | −14,0 | +2 | +4 |
| 16 | +1,146 | − 3,5 | + 4,05 | −16,5 | +2 | +4 |
| 26 | +1,134 | + 1,2 | + 2,29 | −18,6 | +1 | +4 |
| Dec. 6 | +1,170 | + 6,0 | + 0,33 | −20,4 | +1 | +5 |
| 16 | +1,253 | +10,6 | − 1,79 | −21,7 | 0 | +5 |
| 26 | +1,382 | +15,0 | − 4,01 | −22,3 | 0 | +5 |
| 36 | +1,553 | +18,9 | − 6,25 | −22,2 | −1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 17 25 11,6409 | +12 43 31,194 |
| 1791 | 25 14,4168 | 43 27,952 |
| 1792 | 25 17,1927 | 43 24,713 |
| 1793 | 25 19,9687 | 43 21,479 |
| 1794 | 25 22,7448 | 43 18,248 |
| 1795 | 25 25,5208 | 43 15,022 |
| 1796 | 25 28,2969 | 43 11,799 |
| 1797 | 25 31,0730 | 43 8,581 |
| 1798 | 25 33,8491 | 43 5,366 |
| 1799 | 25 36,6252 | 43 2,156 |
| 1800 | 25 39,4014 | 42 58,949 |
| 1801 | 25 42,1776 | 42 55,747 |
| 1802 | 25 44,9539 | 42 52,548 |
| 1803 | 25 47,7302 | 42 49,354 |
| 1804 | 25 50,5066 | 42 46,163 |
| 1805 | 25 53,2830 | 42 42,977 |
| 1806 | 25 56,0594 | 42 39,794 |
| 1807 | 25 58,8359 | 42 36,616 |
| 1808 | 26 1,6124 | 42 33,441 |
| 1809 | 26 4,3889 | 42 30,271 |
| 1810 | 26 7,1654 | 42 27,104 |

Diei reducto addendum est:

ante / post } Dec. 13 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Lyrae.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 18h 29′ 50″,333 | +38° 35′ 56″,97 | 1800 | Jan. 0 | 18h 30′ 9″,673 | +38° 36′ 11″,24 |
| | Apr. 10 | 50,292 | 57,50 | | Apr. 10 | 9,723 | 10,90 |
| | Jul. 19 | 50,248 | 57,97 | | Jul. 19 | 9,776 | 10,64 |
| | Oct. 27 | 50,199 | 58,36 | | Oct. 27 | 9,831 | 10,44 |
| | Dec. 66 | 50,146 | 58,69 | | Dec. 66 | 9,888 | 10,32 |
| 1791 | Jan. 0 | 18 29 52,193 | +38 36 1,47 | 1801 | Jan. 0 | 18 30 11,898 | +38 36 13,25 |
| | Apr. 10 | 52,138 | 1,75 | | Apr. 10 | 11,957 | 13,17 |
| | Jul. 19 | 52,081 | 1,95 | | Jul. 19 | 12,017 | 13,17 |
| | Oct. 27 | 52,021 | 2,08 | | Oct. 27 | 12,077 | 13,24 |
| | Dec. 66 | 51,959 | 2,13 | | Dec. 66 | 12,138 | 13,38 |
| 1792 | Jan. 1 | 18 29 54,009 | +38 36 5,00 | 1802 | Jan. 0 | 18 30 14,147 | +38 36 16,24 |
| | Apr. 10 | 53,946 | 5,00 | | Apr. 10 | 14,208 | 16,43 |
| | Jul. 19 | 53,883 | 4,92 | | Jul. 19 | 14,268 | 16,68 |
| | Oct. 27 | 53,820 | 4,76 | | Oct. 27 | 14,327 | 17,01 |
| | Dec. 66 | 53,756 | 4,53 | | Dec. 66 | 14,385 | 17,41 |
| 1793 | Jan. 0 | 18 29 55,807 | +38 36 7,50 | 1803 | Jan. 0 | 18 30 16,396 | +38 36 20,18 |
| | Apr. 10 | 55,744 | 7,21 | | Apr. 10 | 16,453 | 20,62 |
| | Jul. 19 | 55,682 | 6,85 | | Jul. 19 | 16,507 | 21,11 |
| | Oct. 27 | 55,623 | 6,43 | | Oct. 27 | 16,559 | 21,66 |
| | Dec. 66 | 55,565 | 5,93 | | Dec. 66 | 16,608 | 22,27 |
| 1794 | Jan. 0 | 18 29 57,613 | +38 36 8,99 | 1804 | Jan. 1 | 18 30 18,622 | +38 36 24,97 |
| | Apr. 10 | 57,557 | 8,45 | | Apr. 10 | 18,669 | 25,61 |
| | Jul. 19 | 57,505 | 7,86 | | Jul. 19 | 18,711 | 26,29 |
| | Oct. 27 | 57,456 | 7,22 | | Oct. 27 | 18,750 | 27,01 |
| | Dec. 66 | 57,411 | 6,53 | | Dec. 66 | 18,785 | 27,76 |
| 1795 | Jan. 0 | 18 29 59,455 | +38 36 9,66 | 1805 | Jan. 0 | 18 30 20,803 | +38 36 30,42 |
| | Apr. 10 | 59,413 | 8,94 | | Apr. 10 | 20,835 | 31,20 |
| | Jul. 19 | 59,376 | 8,19 | | Jul. 19 | 20,861 | 31,99 |
| | Oct. 27 | 59,344 | 7,41 | | Oct. 27 | 20,882 | 32,80 |
| | Dec. 66 | 59,317 | 6,61 | | Dec. 66 | 20,898 | 33,62 |
| 1796 | Jan. 1 | 18 30 1,355 | +38 36 9,77 | 1806 | Jan. 0 | 18 30 22,923 | +38 36 36,26 |
| | Apr. 10 | 1,331 | 8,96 | | Apr. 10 | 22,935 | 37,09 |
| | Jul. 19 | 1,313 | 8,14 | | Jul. 19 | 22,942 | 37,91 |
| | Oct. 27 | 1,301 | 7,32 | | Oct. 27 | 22,942 | 38,72 |
| | Dec. 66 | 1,295 | 6,49 | | Dec. 66 | 22,937 | 39,51 |
| 1797 | Jan. 0 | 18 30 3,326 | +38 36 9,66 | 1807 | Jan. 0 | 18 30 24,969 | +38 36 42,17 |
| | Apr. 10 | 3,323 | 8,84 | | Apr. 10 | 24,960 | 41,96 |
| | Jul. 19 | 3,326 | 8,04 | | Jul. 19 | 24,946 | 43,71 |
| | Oct. 27 | 3,335 | 7,26 | | Oct. 27 | 24,926 | 44,43 |
| | Dec. 66 | 3,349 | 6,50 | | Dec. 66 | 24,900 | 45,11 |
| 1798 | Jan. 0 | 18 30 5,373 | +38 36 9,65 | 1808 | Jan. 1 | 18 30 26,939 | +38 36 47,81 |
| | Apr. 10 | 5,391 | 8,92 | | Apr. 10 | 26,909 | 48,46 |
| | Jul. 19 | 5,414 | 8,23 | | Jul. 19 | 26,875 | 49,06 |
| | Oct. 27 | 5,442 | 7,59 | | Oct. 27 | 26,836 | 49,60 |
| | Dec. 66 | 5,475 | 6,99 | | Dec. 66 | 26,792 | 50,08 |
| 1799 | Jan. 0 | 18 30 7,493 | +38 36 10,08 | 1809 | Jan. 0 | 18 30 28,836 | +38 36 52,85 |
| | Apr. 10 | 7,529 | 9,52 | | Apr. 10 | 28,789 | 53,29 |
| | Jul. 19 | 7,569 | 9,02 | | Jul. 19 | 28,739 | 53,66 |
| | Oct. 27 | 7,613 | 8,59 | | Oct. 27 | 28,686 | 53,95 |
| | Dec. 66 | 7,660 | 8,22 | | Dec. 66 | 28,629 | 54,18 |

## Tabulae X. Sect. III. *α Lyrae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,701 | + 8,9 | − 0,90 | −31,2 | 0 | +2 |
| 10 | −1,586 | +13,9 | − 4,02 | −30,8 | −1 | +2 |
| 20 | −1,424 | +18,4 | − 7,05 | −29,4 | −1 | +2 |
| 30 | −1,218 | +22,5 | − 9,89 | −26,9 | −1 | +2 |
| Febr. 9 | −0,975 | +25,9 | −12,42 | −23,3 | −2 | +2 |
| 19 | −0,701 | +28,7 | −14,54 | −18,8 | −2 | +2 |
| Mart. 1 | −0,401 | +30,9 | −16,17 | −13,6 | −2 | +1 |
| 11 | −0,083 | +32,4 | −17,25 | − 7,9 | −2 | +1 |
| 21 | +0,246 | +33,2 | −17,75 | − 2,0 | −2 | +1 |
| 31 | +0,580 | +33,3 | −17,65 | + 4,0 | −2 | 0 |
| Apr. 10 | +0,912 | +32,8 | −16,96 | + 9,6 | −2 | 0 |
| 20 | +1,235 | +31,6 | −15,73 | +14,9 | −2 | 0 |
| 30 | +1,544 | +29,8 | −13,99 | +19,6 | −2 | 0 |
| Maj. 10 | +1,830 | +27,3 | −11,82 | +23,5 | −2 | 0 |
| 20 | +2,089 | +24,2 | − 9,30 | +26,5 | −1 | 0 |
| 30 | +2,314 | +20,6 | − 6,52 | +28,7 | −1 | 0 |
| Jun. 9 | +2,501 | +16,5 | − 3,56 | +30,0 | 0 | 0 |
| 19 | +2,644 | +12,0 | − 0,52 | +30,4 | 0 | 0 |
| 29 | +2,740 | + 7,2 | + 2,52 | +30,1 | 0 | 0 |
| Jul. 9 | +2,787 | + 2,2 | + 5,49 | +29,0 | +1 | 0 |
| 19 | +2,784 | − 2,9 | + 8,31 | +27,2 | +1 | 0 |
| 29 | +2,730 | − 7,8 | +10,92 | +24,7 | +1 | 0 |
| Aug. 8 | +2,629 | −12,3 | +13,25 | +21,7 | +2 | +1 |
| 18 | +2,484 | −16,5 | +15,26 | +18,4 | +2 | +1 |
| 28 | +2,299 | −20,1 | +16,92 | +14,6 | +2 | +1 |
| Sept. 7 | +2,083 | −22,8 | +18,18 | +10,5 | +2 | +1 |
| 17 | +1,843 | −24,7 | +19,02 | + 6,2 | +2 | +2 |
| 27 | +1,590 | −25,6 | +19,42 | + 1,8 | +2 | +2 |
| Oct. 7 | +1,332 | −25,4 | +19,37 | − 2,8 | +2 | +3 |
| 17 | +1,082 | −24,1 | +18,86 | − 7,4 | +2 | +3 |
| 27 | +0,850 | −21,9 | +17,89 | −12,0 | +2 | +3 |
| Nov. 6 | +0,645 | −18,7 | +16,47 | −16,3 | +2 | +4 |
| 16 | +0,477 | −14,7 | +14,63 | −20,4 | +2 | +4 |
| 26 | +0,352 | −10,1 | +12,40 | −24,1 | +1 | +4 |
| Dec. 6 | +0,276 | − 5,0 | + 9,82 | −27,1 | +1 | +5 |
| 16 | +0,253 | + 0,4 | + 6,98 | −29,4 | +1 | +5 |
| 26 | +0,283 | + 5,7 | + 3,95 | −30,8 | 0 | +5 |
| 36 | +0,366 | +10,8 | + 0,83 | −31,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 18 29 49,7927 | +38 35 50,226 |
| 1791 | 29 51,8221 | 35 53,102 |
| 1792 | 29 53,8515 | 35 55,981 |
| 1793 | 29 55,8809 | 35 58,863 |
| 1794 | 29 57,9104 | 36 1,747 |
| 1795 | 29 59,9399 | 36 4,635 |
| 1796 | 30 1,9694 | 36 7,526 |
| 1797 | 30 3,9989 | 36 10,419 |
| 1798 | 30 6,0284 | 36 13,315 |
| 1799 | 30 8,0579 | 36 16,214 |
| 1800 | 30 10,0874 | 36 19,116 |
| 1801 | 30 12,1170 | 36 22,021 |
| 1802 | 30 14,1466 | 36 24,929 |
| 1803 | 30 16,1762 | 36 27,840 |
| 1804 | 30 18,2058 | 36 30,754 |
| 1805 | 30 20,2354 | 36 33,671 |
| 1806 | 30 22,2650 | 36 36,591 |
| 1807 | 30 24,2947 | 36 39,514 |
| 1808 | 30 26,3244 | 36 42,440 |
| 1809 | 30 28,3540 | 36 45,367 |
| 1810 | 30 30,3837 | 36 48,298 |

Diei reducto addendum est:

ante } Dec. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. γ Aquilae.

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 19 36 17,179 | + 10 6 54,71 | 1800 | Jan. 0 | 19 36 44,447 | + 10 8 0,71 |
| | Apr. 10 | 17,118 | 55,07 | | Apr. 10 | 44,520 | 0,55 |
| | Jul. 19 | 17,052 | 55,36 | | Jul. 19 | 44,596 | 0,46 |
| | Oct. 27 | 16,981 | 55,57 | | Oct. 27 | 44,675 | 0,45 |
| | Dec. 66 | 16,904 | 55,72 | | Dec. 66 | 44,757 | 0,50 |
| 1791 | Jan. 0 | 19 36 19,785 | + 10 7 3,85 | 1801 | Jan. 0 | 19 36 47,584 | + 10 8 8,69 |
| | Apr. 10 | 19,705 | 3,95 | | Apr. 10 | 47,668 | 8,79 |
| | Jul. 19 | 19,622 | 3,97 | | Jul. 19 | 47,753 | 8,96 |
| | Oct. 27 | 19,536 | 3,90 | | Oct. 27 | 47,838 | 9,20 |
| | Dec. 66 | 19,448 | 3,75 | | Dec. 66 | 47,924 | 9,50 |
| 1792 | Jan. 1 | 19 36 22,333 | + 10 7 12,01 | 1802 | Jan. 0 | 19 36 50,750 | + 10 8 17,61 |
| | Apr. 10 | 22,244 | 11,82 | | Apr. 10 | 50,836 | 17,95 |
| | Jul. 19 | 22,154 | 11,57 | | Jul. 19 | 50,921 | 18,36 |
| | Oct. 27 | 22,065 | 11,24 | | Oct. 27 | 51,003 | 18,82 |
| | Dec. 66 | 21,975 | 10,84 | | Dec. 66 | 51,084 | 19,35 |
| 1793 | Jan. 0 | 19 36 24,860 | + 10 7 19,17 | 1803 | Jan. 0 | 19 36 53,912 | + 10 8 27,39 |
| | Apr. 10 | 24,772 | 18,73 | | Apr. 10 | 53,991 | 27,95 |
| | Jul. 19 | 24,686 | 18,23 | | Jul. 19 | 54,066 | 28,55 |
| | Oct. 27 | 24,603 | 17,67 | | Oct. 27 | 54,137 | 29,19 |
| | Dec. 66 | 24,524 | 17,06 | | Dec. 66 | 54,203 | 29,88 |
| 1794 | Jan. 0 | 19 36 27,405 | + 10 7 25,46 | 1804 | Jan. 1 | 19 36 57,037 | + 10 8 37,87 |
| | Apr. 10 | 27,328 | 24,81 | | Apr. 10 | 57,101 | 38,58 |
| | Jul. 19 | 27,257 | 24,13 | | Jul. 19 | 57,158 | 39,32 |
| | Oct. 27 | 27,191 | 23,41 | | Oct. 27 | 57,209 | 40,08 |
| | Dec. 66 | 27,131 | 22,66 | | Dec. 66 | 57,254 | 40,86 |
| 1795 | Jan. 0 | 19 36 30,005 | + 10 7 31,11 | 1805 | Jan. 0 | 19 37 0,095 | + 10 8 48,82 |
| | Apr. 10 | 29,949 | 30,34 | | Apr. 10 | 0,136 | 49,61 |
| | Jul. 19 | 29,900 | 29,56 | | Jul. 19 | 0,169 | 50,40 |
| | Oct. 27 | 29,858 | 28,77 | | Oct. 27 | 0,195 | 51,18 |
| | Dec. 66 | 29,824 | 27,96 | | Dec. 66 | 0,214 | 51,97 |
| 1796 | Jan. 1 | 19 36 32,690 | + 10 7 36,43 | 1806 | Jan. 0 | 19 37 3,063 | + 10 8 59,94 |
| | Apr. 10 | 32,660 | 35,62 | | Apr. 10 | 3,077 | 9 0,72 |
| | Jul. 19 | 32,639 | 34,83 | | Jul. 19 | 3,082 | 1,48 |
| | Oct. 27 | 32,626 | 34,06 | | Oct. 27 | 3,079 | 2,21 |
| | Dec. 66 | 32,621 | 33,30 | | Dec. 66 | 3,067 | 2,91 |
| 1797 | Jan. 0 | 19 36 35,477 | + 10 7 41,75 | 1807 | Jan. 0 | 19 37 5,927 | + 10 9 10,91 |
| | Apr. 10 | 35,477 | 41,00 | | Apr. 10 | 5,910 | 11,59 |
| | Jul. 19 | 35,485 | 40,29 | | Jul. 19 | 5,886 | 12,23 |
| | Oct. 27 | 35,501 | 39,62 | | Oct. 27 | 5,853 | 12,81 |
| | Dec. 66 | 35,525 | 38,98 | | Dec. 66 | 5,813 | 13,35 |
| 1798 | Jan. 0 | 19 36 38,371 | + 10 7 47,39 | 1808 | Jan. 1 | 19 37 8,683 | + 10 9 21,42 |
| | Apr. 10 | 38,401 | 46,79 | | Apr. 10 | 8,637 | 21,92 |
| | Jul. 19 | 38,437 | 46,24 | | Jul. 19 | 8,585 | 22,35 |
| | Oct. 27 | 38,480 | 45,74 | | Oct. 27 | 8,527 | 22,72 |
| | Dec. 66 | 38,530 | 45,30 | | Dec. 66 | 8,462 | 23,03 |
| 1799 | Jan. 0 | 19 36 41,367 | + 10 7 53,65 | 1809 | Jan. 0 | 19 37 11,339 | + 10 9 31,18 |
| | Apr. 10 | 41,421 | 53,25 | | Apr. 10 | 11,270 | 31,44 |
| | Jul. 19 | 41,481 | 52,91 | | Jul. 19 | 11,196 | 31,62 |
| | Oct. 27 | 41,545 | 52,64 | | Oct. 27 | 11,118 | 31,73 |
| | Dec. 66 | 41,615 | 52,44 | | Dec. 66 | 11,036 | 31,76 |

## Tabulae X. Sect. III. γ *Aquilae.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,293 | + 5,2 | + 0,10 | −17,2 | +1 | +1 | 1790 | 19 36 16,4437 | + 10 6 47,072 |
| 10 | −1,223 | + 8,9 | − 1,64 | −17,3 | 0 | +1 | 1791 | 36 19,2989 | 6 55,247 |
| 20 | −1,116 | +12,3 | − 3,36 | −16,9 | 0 | +1 | 1792 | 36 22,1541 | 7 3,426 |
| 30 | −0,977 | +15,5 | − 5,01 | −15,8 | −1 | +1 | 1793 | 36 25,0093 | 7 11,609 |
| Febr. 9 | −0,807 | +18,4 | − 6,51 | −13,8 | −1 | +1 | 1794 | 36 27,8645 | 7 19,796 |
| | | | | | | | 1795 | 36 30,7197 | 7 27,986 |
| 19 | −0,609 | +21,0 | − 7,77 | −11,3 | −2 | +1 | 1796 | 36 33,5749 | 7 36,180 |
| Mart. 1 | −0,387 | +23,3 | − 8,76 | − 8,2 | −2 | +1 | 1797 | 36 36,4301 | 7 44,378 |
| 11 | −0,144 | +25,2 | − 9,40 | − 4,6 | −2 | +1 | 1798 | 36 39,2852 | 7 52,580 |
| 21 | +0,117 | +26,8 | − 9,67 | − 0,8 | −2 | +1 | 1799 | 36 42,1403 | 8 0,786 |
| 31 | +0,392 | +28,0 | − 9,56 | + 3,1 | −3 | 0 | 1800 | 36 44,9954 | 8 8,995 |
| | | | | | | | 1801 | 36 47,8505 | 8 17,208 |
| Apr. 10 | +0,677 | +28,9 | − 9,05 | + 6,9 | −3 | 0 | 1802 | 36 50,7056 | 8 25,425 |
| 20 | +0,969 | +29,3 | − 8,18 | +10,5 | −3 | 0 | 1803 | 36 53,5607 | 8 33,646 |
| 30 | +1,263 | +29,2 | − 6,96 | +13,7 | −3 | 0 | 1804 | 36 56,4158 | 8 41,870 |
| Maj. 10 | +1,552 | +28,4 | − 5,45 | +16,3 | −2 | 0 | 1805 | 36 59,2709 | 8 50,098 |
| 20 | +1,831 | +27,2 | − 3,70 | +18,5 | −2 | 0 | 1806 | 37 2,1260 | 8 58,330 |
| | | | | | | | 1807 | 37 4,9811 | 9 6,566 |
| 30 | +2,095 | +25,3 | − 1,76 | +20,0 | −2 | +1 | 1808 | 37 7,8362 | 9 14,805 |
| Jun. 9 | +2,336 | +22,8 | + 0,29 | +20,8 | −1 | +1 | 1809 | 37 10,6912 | 9 23,048 |
| 19 | +2,550 | +19,7 | + 2,39 | +21,0 | −1 | +1 | 1810 | 37 13,5462 | 9 31,295 |
| 29 | +2,730 | +16,1 | + 4,49 | +20,8 | −1 | +1 | | | |
| Jul. 9 | +2,872 | +12,1 | + 6,54 | +19,9 | 0 | +1 | | | |
| 19 | +2,972 | + 7,8 | + 8,47 | +18,5 | 0 | +1 | | | |
| 29 | +3,028 | + 3,4 | +10,26 | +17,0 | 0 | +2 | | | |
| Aug. 8 | +3,039 | − 2,1 | +11,86 | +15,0 | +1 | +2 | | | |
| 18 | +3,007 | − 5,2 | +13,26 | +12,9 | +1 | +2 | | | |
| 28 | +2,935 | − 9,0 | +14,44 | +10,6 | +2 | +2 | | | |
| Sept. 7 | +2,827 | −12,3 | +15,37 | + 8,1 | +2 | +3 | | | |
| 17 | +2,690 | −14,8 | +16,06 | + 5,6 | +2 | +3 | | | |
| 27 | +2,531 | −16,6 | +16,49 | + 3,1 | +2 | +3 | | | |
| Oct. 7 | +2,359 | −17,4 | +16,67 | + 0,5 | +3 | +3 | | | |
| 17 | +2,184 | −17,2 | +16,59 | − 2,1 | +3 | +4 | | | |
| 27 | +2,015 | −16,2 | +16,26 | − 4,6 | +3 | +4 | | | |
| Nov. 6 | +1,861 | −14,3 | +15,67 | − 7,2 | +2 | +4 | | | |
| 16 | +1,730 | −11,7 | +14,83 | − 9,6 | +2 | +4 | | | |
| 26 | +1,628 | − 8,5 | +13,76 | −11,8 | +2 | +4 | | | |
| Dec. 6 | +1,560 | − 5,0 | +12,47 | −13,9 | +2 | +5 | | | |
| 16 | +1,529 | − 1,2 | +10,99 | −15,5 | +1 | +5 | | | |
| 26 | +1,537 | + 2,8 | + 9,38 | −16,6 | +1 | +5 | | | |
| 36 | +1,584 | + 6,6 | + 7,67 | −17,3 | 0 | +5 | | | |

Diei reducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 19 40 32,868 | + 8 19 40,04 | 1800 | Jan. 0 | 19 41 0,866 | + 8 20 53,14 |
| | Apr. 10 | 32,806 | 40,39 | | Apr. 10 | 0,946 | 52,99 |
| | Jul. 19 | 32,738 | 40,67 | | Jul. 19 | 1,018 | 52,92 |
| | Oct. 27 | 32,665 | 40,87 | | Oct. 27 | 1,099 | 52,91 |
| | Dec. 66 | 32,587 | 41,00 | | Dec. 66 | 1,182 | 52,98 |
| 1791 | Jan. 0 | 19 40 35,543 | + 8 19 49,86 | 1801 | Jan. 0 | 19 41 4,083 | + 8 21 1,87 |
| | Apr. 10 | 35,462 | 49,94 | | Apr. 10 | 4,168 | 1,99 |
| | Jul. 19 | 35,378 | 49,94 | | Jul. 19 | 4,254 | 2,17 |
| | Oct. 27 | 35,291 | 49,87 | | Oct. 27 | 4,341 | 2,42 |
| | Dec. 66 | 35,201 | 49,73 | | Dec. 66 | 4,428 | 2,73 |
| 1792 | Jan. 1 | 19 40 38,160 | + 8 19 58,68 | 1802 | Jan. 0 | 19 41 7,328 | + 8 21 11,55 |
| | Apr. 10 | 38,069 | 58,48 | | Apr. 10 | 7,415 | 11,90 |
| | Jul. 19 | 37,978 | 58,22 | | Jul. 19 | 7,500 | 12,32 |
| | Oct. 27 | 37,888 | 57,88 | | Oct. 27 | 7,583 | 12,79 |
| | Dec. 66 | 37,797 | 57,47 | | Dec. 66 | 7,665 | 13,32 |
| 1793 | Jan. 0 | 19 40 40,756 | + 8 20 6,51 | 1803 | Jan. 0 | 19 41 10,567 | + 8 21 22,07 |
| | Apr. 10 | 40,667 | 6,06 | | Apr. 10 | 10,647 | 22,64 |
| | Jul. 19 | 40,580 | 5,56 | | Jul. 19 | 10,722 | 23,24 |
| | Oct. 27 | 40,497 | 5,00 | | Oct. 27 | 10,794 | 23,90 |
| | Dec. 66 | 40,416 | 4,38 | | Dec. 66 | 10,861 | 24,58 |
| 1794 | Jan. 0 | 19 40 43,372 | + 8 20 13,49 | 1804 | Jan. 1 | 19 41 13,768 | + 8 21 33,29 |
| | Apr. 10 | 43,294 | 12,84 | | Apr. 10 | 13,832 | 34,00 |
| | Jul. 19 | 43,222 | 12,16 | | Jul. 19 | 13,889 | 34,74 |
| | Oct. 27 | 43,156 | 11,44 | | Oct. 27 | 13,941 | 35,49 |
| | Dec. 66 | 43,095 | 10,68 | | Dec. 66 | 13,986 | 36,27 |
| 1795 | Jan. 0 | 19 40 46,043 | + 8 20 19,84 | 1805 | Jan. 0 | 19 41 16,901 | + 8 21 44,95 |
| | Apr. 10 | 45,987 | 19,07 | | Apr. 10 | 16,942 | 45,74 |
| | Jul. 19 | 45,938 | 18,29 | | Jul. 19 | 16,975 | 46,53 |
| | Oct. 27 | 45,896 | 17,50 | | Oct. 27 | 17,000 | 47,31 |
| | Dec. 66 | 45,862 | 16,70 | | Dec. 66 | 17,019 | 48,09 |
| 1796 | Jan. 1 | 19 40 48,801 | + 8 20 25,87 | 1806 | Jan. 0 | 19 41 19,942 | + 8 21 56,78 |
| | Apr. 10 | 48,772 | 25,07 | | Apr. 10 | 19,955 | 57,55 |
| | Jul. 19 | 48,751 | 24,29 | | Jul. 19 | 19,960 | 58,30 |
| | Oct. 27 | 48,738 | 23,52 | | Oct. 27 | 19,957 | 59,02 |
| | Dec. 66 | 48,734 | 22,76 | | Dec. 66 | 19,944 | 59,72 |
| 1797 | Jan. 0 | 19 40 51,663 | + 8 20 31,92 | 1807 | Jan. 0 | 19 41 22,878 | + 8 22 8,44 |
| | Apr. 10 | 51,664 | 31,19 | | Apr. 10 | 22,860 | 9,11 |
| | Jul. 19 | 51,673 | 30,49 | | Jul. 19 | 22,834 | 9,73 |
| | Oct. 27 | 51,690 | 29,83 | | Oct. 27 | 22,801 | 10,31 |
| | Dec. 66 | 51,715 | 29,20 | | Dec. 66 | 22,760 | 10,84 |
| 1798 | Jan. 0 | 19 40 54,635 | + 8 20 38,32 | 1808 | Jan. 1 | 19 41 25,703 | + 8 22 19,62 |
| | Apr. 10 | 54,665 | 37,72 | | Apr. 10 | 25,657 | 20,11 |
| | Jul. 19 | 54,702 | 37,18 | | Jul. 19 | 25,604 | 20,53 |
| | Oct. 27 | 54,746 | 36,69 | | Oct. 27 | 25,544 | 20,89 |
| | Dec. 66 | 54,797 | 36,26 | | Dec. 66 | 25,477 | 21,19 |
| 1799 | Jan. 0 | 19 40 57,708 | + 8 20 45,32 | 1809 | Jan. 0 | 19 41 28,429 | + 8 22 30,05 |
| | Apr. 10 | 57,764 | 44,93 | | Apr. 10 | 28,359 | 30,30 |
| | Jul. 19 | 57,825 | 44,61 | | Jul. 19 | 28,284 | 30,47 |
| | Oct. 27 | 57,891 | 44,35 | | Oct. 27 | 28,204 | 30,57 |
| | Dec. 66 | 57,962 | 44,16 | | Dec. 66 | 28,120 | 30,59 |

## Tabulae X. Sect. III. *α Aquilae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,279 | + 5,0 | − 0,01 | −16,0 | +1 | +1 |
| 10 | −1,211 | + 8,7 | − 1,63 | −16,2 | 0 | +1 |
| 20 | −1,106 | +12,1 | − 3,24 | −15,8 | 0 | +1 |
| 30 | −0,969 | +15,3 | − 4,78 | −14,6 | −1 | +1 |
| Febr. 9 | −0,801 | +18,2 | − 6,16 | −12,8 | −1 | +1 |
| 19 | −0,606 | +20,8 | − 7,33 | −10,3 | −2 | +1 |
| Mart. 1 | −0,386 | +23,1 | − 8,22 | − 7,3 | −2 | +1 |
| 11 | −0,145 | +25,0 | − 8,79 | − 4,0 | −2 | +1 |
| 21 | +0,114 | +26,7 | − 9,01 | − 0,3 | −3 | 0 |
| 31 | +0,389 | +28,0 | − 8,85 | + 3,5 | −3 | 0 |
| Apr. 10 | +0,674 | +28,9 | − 8,32 | + 7,1 | −3 | 0 |
| 20 | +0,966 | +29,4 | − 7,43 | +10,5 | −3 | 0 |
| 30 | +1,261 | +29,3 | − 6,22 | +13,6 | −3 | 0 |
| Maj. 10 | +1,552 | +28,7 | − 4,72 | +16,1 | −2 | 0 |
| 20 | +1,834 | +27,5 | − 3,00 | +18,1 | −2 | 0 |
| 30 | +2,101 | +25,7 | − 1,10 | +19,5 | −2 | +1 |
| Jun. 9 | +2,347 | +23,3 | + 0,90 | +20,3 | −2 | +1 |
| 19 | +2,566 | +20,2 | + 2,95 | +20,4 | −1 | +1 |
| 29 | +2,751 | +16,7 | + 4,98 | +20,1 | −1 | +1 |
| Jul. 9 | +2,899 | +12,7 | + 6,96 | +19,3 | 0 | +1 |
| 19 | +3,005 | + 8,5 | + 8,83 | +18,0 | 0 | +2 |
| 29 | +3,068 | + 4,1 | +10,55 | +16,3 | 0 | +2 |
| Aug. 8 | +3,086 | − 0,4 | +12,09 | +14,4 | +1 | +2 |
| 18 | +3,060 | − 4,6 | +13,43 | +12,3 | +1 | +2 |
| 28 | +2,994 | − 8,5 | +14,55 | +10,1 | +2 | +3 |
| Sept. 7 | +2,891 | −11,8 | +15,44 | + 7,8 | +2 | +3 |
| 17 | +2,759 | −14,3 | +16,10 | + 5,4 | +2 | +3 |
| 27 | +2,605 | −16,1 | +16,51 | + 2,9 | +2 | +3 |
| Oct. 7 | +2,437 | −16,9 | +16,68 | + 0,5 | +3 | +4 |
| 17 | +2,266 | −16,9 | +16,61 | − 1,9 | +3 | +4 |
| 27 | +2,100 | −15,9 | +16,30 | − 4,3 | +3 | +4 |
| Nov. 6 | +1,948 | −14,1 | +15,75 | − 6,6 | +3 | +4 |
| 16 | +1,818 | −11,6 | +14,98 | − 8,9 | +2 | +4 |
| 26 | +1,716 | − 8,5 | +13,98 | −11,0 | +2 | +4 |
| Dec. 6 | +1,649 | − 4,9 | +12,78 | −12,9 | +2 | +5 |
| 16 | +1,618 | − 1,2 | +11,41 | −14,4 | +1 | +5 |
| 26 | +1,625 | + 2,7 | + 9,90 | −15,5 | +1 | +5 |
| 36 | +1,671 | + 6,4 | + 8,31 | −16,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 19 40 32,1270 | + 8 19 32,371 |
| 1791 | 40 35,0561 | 19 41,259 |
| 1792 | 40 37,9852 | 19 50,151 |
| 1793 | 40 40,9143 | 19 59,047 |
| 1794 | 40 43,8434 | 20 7,947 |
| 1795 | 40 46,7724 | 20 16,851 |
| 1796 | 40 49,7014 | 20 25,759 |
| 1797 | 40 52,6304 | 20 34,670 |
| 1798 | 40 55,5593 | 20 43,585 |
| 1799 | 40 58,4883 | 20 52,504 |
| 1800 | 41 1,4173 | 21 1,427 |
| 1801 | 41 4,3463 | 21 10,354 |
| 1802 | 41 7,2752 | 21 19,285 |
| 1803 | 41 10,2041 | 21 28,219 |
| 1804 | 41 13,1330 | 21 37,157 |
| 1805 | 41 16,0620 | 21 46,099 |
| 1806 | 41 18,9908 | 21 55,045 |
| 1807 | 41 21,9197 | 22 3,995 |
| 1808 | 41 24,8486 | 22 12,949 |
| 1809 | 41 27,7774 | 22 21,906 |
| 1810 | 41 30,7062 | 22 30,867 |

Diei reducto addendum est:

ante } Jan. 13 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. β *Aquilae.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 19h 45′ 0″,509 | + 5° 53′ 45″,56 |
| | Apr. 10 | 0,445 | 45,90 |
| | Jul. 19 | 0,376 | 46,16 |
| | Oct. 27 | 0,301 | 46,35 |
| | Dec. 66 | 0,221 | 46,47 |
| 1791 | Jan. 0 | 19 45 3,199 | + 5 53 54,82 |
| | Apr. 10 | 3,115 | 54,89 |
| | Jul. 19 | 3,029 | 54,88 |
| | Oct. 27 | 2,940 | 54,80 |
| | Dec. 66 | 2,849 | 54,64 |
| 1792 | Jan. 1 | 19 45 5,830 | + 5 54 3,08 |
| | Apr. 10 | 5,738 | 2,87 |
| | Jul. 19 | 5,645 | 2,60 |
| | Oct. 27 | 5,553 | 2,25 |
| | Dec. 66 | 5,461 | 1,84 |
| 1793 | Jan. 0 | 19 45 8,442 | + 5 54 10,37 |
| | Apr. 10 | 8,351 | 9,91 |
| | Jul. 19 | 8,263 | 9,40 |
| | Oct. 27 | 8,178 | 8,83 |
| | Dec. 66 | 8,097 | 8,20 |
| 1794 | Jan. 0 | 19 45 11,075 | + 5 54 16,81 |
| | Apr. 10 | 10,996 | 16,16 |
| | Jul. 19 | 10,923 | 15,47 |
| | Oct. 27 | 10,856 | 14,75 |
| | Dec. 66 | 10,795 | 13,99 |
| 1795 | Jan. 0 | 19 45 13,766 | + 5 54 22,64 |
| | Apr. 10 | 13,709 | 21,87 |
| | Jul. 19 | 13,660 | 21,09 |
| | Oct. 27 | 13,618 | 20,30 |
| | Dec. 66 | 13,584 | 19,50 |
| 1796 | Jan. 1 | 19 45 16,545 | + 5 54 28,16 |
| | Apr. 10 | 16,516 | 27,37 |
| | Jul. 19 | 16,496 | 26,59 |
| | Oct. 27 | 16,484 | 25,82 |
| | Dec. 66 | 16,480 | 25,07 |
| 1797 | Jan. 0 | 19 45 19,431 | + 5 54 33,72 |
| | Apr. 10 | 19,433 | 32,99 |
| | Jul. 19 | 19,443 | 32,30 |
| | Oct. 27 | 19,461 | 31,65 |
| | Dec. 66 | 19,487 | 31,03 |
| 1798 | Jan. 0 | 19 45 22,428 | + 5 54 39,63 |
| | Apr. 10 | 22,460 | 39,05 |
| | Jul. 19 | 22,499 | 38,52 |
| | Oct. 27 | 22,545 | 38,05 |
| | Dec. 66 | 22,597 | 37,63 |
| 1799 | Jan. 0 | 19 45 25,529 | + 5 54 46,17 |
| | Apr. 10 | 25,586 | 45,79 |
| | Jul. 19 | 25,649 | 45,48 |
| | Oct. 27 | 25,717 | 45,24 |
| | Dec. 66 | 25,790 | 45,06 |
| 1800 | Jan. 0 | 19h 45′ 28″,715 | + 5° 54′ 53″,52 |
| | Apr. 10 | 28,791 | 53,39 |
| | Jul. 19 | 28,871 | 53,33 |
| | Oct. 27 | 28,953 | 53,34 |
| | Dec. 66 | 29,038 | 53,41 |
| 1801 | Jan. 0 | 19 45 31,960 | + 5 55 1,80 |
| | Apr. 10 | 32,047 | 1,92 |
| | Jul. 19 | 32,135 | 2,11 |
| | Oct. 27 | 32,223 | 2,37 |
| | Dec. 66 | 32,311 | 2,69 |
| 1802 | Jan. 0 | 19 45 35,232 | + 5 55 11,00 |
| | Apr. 10 | 35,319 | 11,37 |
| | Jul. 19 | 35,405 | 11,79 |
| | Oct. 27 | 35,491 | 12,27 |
| | Dec. 66 | 35,575 | 12,80 |
| 1803 | Jan. 0 | 19 45 38,498 | + 5 55 21,04 |
| | Apr. 10 | 38,580 | 21,61 |
| | Jul. 19 | 38,655 | 22,23 |
| | Oct. 27 | 38,727 | 22,88 |
| | Dec. 66 | 38,795 | 23,57 |
| 1804 | Jan. 1 | 19 45 41,723 | + 5 55 31,76 |
| | Apr. 10 | 41,788 | 32,48 |
| | Jul. 19 | 41,846 | 33,22 |
| | Oct. 27 | 41,898 | 33,97 |
| | Dec. 66 | 41,943 | 34,75 |
| 1805 | Jan. 0 | 19 45 44,879 | + 5 55 42,92 |
| | Apr. 10 | 44,920 | 43,71 |
| | Jul. 19 | 44,953 | 44,49 |
| | Oct. 27 | 44,978 | 45,27 |
| | Dec. 66 | 44,995 | 46,05 |
| 1806 | Jan. 0 | 19 45 47,941 | + 5 55 54,23 |
| | Apr. 10 | 47,953 | 54,99 |
| | Jul. 19 | 47,956 | 55,73 |
| | Oct. 27 | 47,952 | 56,45 |
| | Dec. 66 | 47,939 | 57,14 |
| 1807 | Jan. 0 | 19 45 50,894 | + 5 56 5,35 |
| | Apr. 10 | 50,875 | 6,01 |
| | Jul. 19 | 50,848 | 6,62 |
| | Oct. 27 | 50,813 | 7,19 |
| | Dec. 66 | 50,770 | 7,70 |
| 1808 | Jan. 1 | 19 45 53,736 | + 5 56 15,98 |
| | Apr. 10 | 53,688 | 16,46 |
| | Jul. 19 | 53,633 | 16,87 |
| | Oct. 27 | 53,571 | 17,21 |
| | Dec. 66 | 53,503 | 17,49 |
| 1809 | Jan. 0 | 19 45 56,477 | + 5 56 25,85 |
| | Apr. 10 | 56,404 | 26,09 |
| | Jul. 19 | 56,327 | 26,25 |
| | Oct. 27 | 56,246 | 26,33 |
| | Dec. 66 | 56,160 | 26,34 |

## Tabulae X. Sect. III. β *Aquilae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,265 | + 4,7 | − 0,22 | −14,8 | +1 | +1 |
| 10 | −1,199 | + 8,4 | − 1,72 | −14,9 | 0 | +1 |
| 20 | −1,098 | +11,8 | − 3,20 | −14,5 | 0 | +1 |
| 30 | −0,964 | +14,9 | − 4,62 | −13,5 | −1 | +1 |
| Febr. 9 | −0,800 | +17,8 | − 5,89 | −11,7 | −1 | +1 |
| 19 | −0,609 | +20,4 | − 6,96 | − 9,4 | −2 | +1 |
| Mart. 1 | −0,393 | +22,7 | − 7,76 | − 6,6 | −2 | +1 |
| 11 | −0,155 | +24,7 | − 8,27 | − 3,4 | −2 | +1 |
| 21 | +0,101 | +26,4 | − 8,43 | + 0,1 | −3 | 0 |
| 31 | +0,372 | +27,7 | − 8,25 | + 3,6 | −3 | 0 |
| Apr. 10 | +0,655 | +28,7 | − 7,71 | + 7,1 | −3 | 0 |
| 20 | +0,946 | +29,3 | − 6,83 | +10,3 | −3 | 0 |
| 30 | +1,240 | +29,3 | − 5,66 | +13,1 | −3 | 0 |
| Maj. 10 | +1,532 | +28,8 | − 4,22 | +15,5 | −2 | 0 |
| 20 | +1,816 | +27,7 | − 2,57 | +17,3 | −2 | 0 |
| 30 | +2,085 | +25,9 | − 0,77 | +18,5 | −2 | +1 |
| Jun. 9 | +2,334 | +23,6 | + 1,13 | +19,2 | −2 | +1 |
| 19 | +2,556 | +20,6 | + 3,06 | +19,2 | −1 | +1 |
| 29 | +2,746 | +17,2 | + 4,97 | +18,8 | −1 | +1 |
| Jul. 9 | +2,899 | +13,2 | + 6,32 | +17,9 | −1 | +1 |
| 19 | +3,010 | + 9,0 | + 8,55 | +16,6 | 0 | +2 |
| 29 | +3,078 | + 4,6 | +10,13 | +15,0 | 0 | +2 |
| Aug. 8 | +3,101 | + 0,1 | +11,54 | +13,1 | +1 | +2 |
| 18 | +3,080 | − 4,1 | +12,75 | +11,1 | +1 | +2 |
| 28 | +3,019 | − 8,0 | +13,75 | + 9,0 | +1 | +3 |
| Sept. 7 | +2,921 | −11,4 | +14,54 | + 6,8 | +2 | +3 |
| 17 | +2,792 | −14,0 | +15,10 | + 4,5 | +2 | +3 |
| 27 | +2,641 | −15,8 | +15,44 | + 2,3 | +2 | +3 |
| Oct. 7 | +2,476 | −16,7 | +15,55 | + 0,1 | +2 | +3 |
| 17 | +2,307 | −16,7 | +15,45 | − 2,1 | +3 | +4 |
| 27 | +2,142 | −15,8 | +15,13 | − 4,3 | +3 | +4 |
| Nov. 6 | +1,991 | −14,1 | +14,59 | − 6,4 | +3 | +4 |
| 16 | +1,861 | −11,6 | +13,85 | − 8,4 | +2 | +4 |
| 26 | +1,759 | − 8,6 | +12,91 | −10,3 | +2 | +4 |
| Dec. 6 | +1,690 | − 5,1 | +11,79 | −12,0 | +2 | +4 |
| 16 | +1,658 | − 1,4 | +10,51 | −13,4 | +1 | +4 |
| 26 | +1,663 | + 2,4 | + 9,11 | −14,4 | +1 | +4 |
| 36 | +1,706 | + 6,1 | + 7,64 | −15,0 | 0 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 19 44 59,7617 | + 5 53 37,853 |
| 1791 | 45 2,7123 | 53 46,232 |
| 1792 | 45 5,6629 | 53 54,615 |
| 1793 | 45 8,6135 | 54 3,002 |
| 1794 | 45 11,5641 | 54 11,393 |
| 1795 | 45 14,5148 | 54 19,787 |
| 1796 | 45 17,4654 | 54 28,185 |
| 1797 | 45 20,4160 | 54 36,587 |
| 1798 | 45 23,3665 | 54 44,992 |
| 1799 | 45 26,3169 | 54 53,401 |
| 1800 | 45 29,2674 | 55 1,813 |
| 1801 | 45 32,2179 | 55 10,230 |
| 1802 | 45 35,1684 | 55 18,650 |
| 1803 | 45 38,1189 | 55 27,073 |
| 1804 | 45 41,0693 | 55 35,500 |
| 1805 | 45 44,0197 | 55 43,931 |
| 1806 | 45 46,9701 | 55 52,366 |
| 1807 | 45 49,9205 | 56 0,804 |
| 1808 | 45 52,8708 | 56 9,246 |
| 1809 | 45 55,8212 | 56 17,692 |
| 1810 | 45 58,7716 | 56 26,142 |

Diei reducto addendum est:

ante } Jan. 14 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. 1 *a Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 20 6 0,562 | — 13 8 33,35 | 1800 | Jan. 0 | 20 6 32,604 | — 13 7 4,64 |
| | Apr. 10 | 0,483 | 33,08 | | Apr. 10 | 32,695 | 4,71 |
| | Jul. 19 | 0,398 | 32,88 | | Jul. 19 | 32,789 | 4,72 |
| | Oct. 27 | 0,308 | 32,75 | | Oct. 27 | 32,885 | 4,65 |
| | Dec. 66 | 0,213 | 32,70 | | Dec. 66 | 32,984 | 4,52 |
| 1791 | Jan. 0 | 20 6 3,581 | — 13 8 22,25 | 1801 | Jan. 0 | 20 6 36,286 | — 13 6 54,07 |
| | Apr. 10 | 3,482 | 22,24 | | Apr. 10 | 36,386 | 53,89 |
| | Jul. 19 | 3,382 | 22,30 | | Jul. 19 | 36,486 | 53,65 |
| | Oct. 27 | 3,379 | 22,44 | | Oct. 27 | 36,586 | 53,35 |
| | Dec. 66 | 3,173 | 22,66 | | Dec. 66 | 36,686 | 52,98 |
| 1792 | Jan. 1 | 20 6 6,544 | — 13 8 12,11 | 1802 | Jan. 0 | 20 6 39,988 | — 13 6 42,60 |
| | Apr. 10 | 6,438 | 12,37 | | Apr. 10 | 40,086 | 42,19 |
| | Jul. 19 | 6,334 | 12,70 | | Jul. 19 | 40,182 | 41,73 |
| | Oct. 27 | 6,230 | 13,10 | | Oct. 27 | 40,275 | 41,22 |
| | Dec. 66 | 6,128 | 13,56 | | Dec. 66 | 40,365 | 40,65 |
| 1793 | Jan. 0 | 20 6 9,497 | — 13 8 2,93 | 1803 | Jan. 0 | 20 6 43,670 | — 13 6 30,33 |
| | Apr. 10 | 9,397 | 3,43 | | Apr. 10 | 43,757 | 29,73 |
| | Jul. 19 | 9,301 | 3,98 | | Jul. 19 | 43,839 | 29,10 |
| | Oct. 27 | 9,209 | 4,57 | | Oct. 27 | 43,915 | 28,43 |
| | Dec. 66 | 9,122 | 5,22 | | Dec. 66 | 43,985 | 27,72 |
| 1794 | Jan. 0 | 20 6 12,486 | — 13 7 54,53 | 1804 | Jan. 1 | 20 6 47,297 | — 13 6 17,45 |
| | Apr. 10 | 12,403 | 55,21 | | Apr. 10 | 47,363 | 16,72 |
| | Jul. 19 | 12,327 | 55,91 | | Jul. 19 | 47,421 | 15,98 |
| | Oct. 27 | 12,258 | 56,64 | | Oct. 27 | 47,472 | 15,23 |
| | Dec. 66 | 12,196 | 57,40 | | Dec. 66 | 47,515 | 14,46 |
| 1795 | Jan. 0 | 20 6 15,551 | — 13 7 46,67 | 1805 | Jan. 0 | 20 6 50,837 | — 13 6 4,20 |
| | Apr. 10 | 15,495 | 47,44 | | Apr. 10 | 50,874 | 3,43 |
| | Jul. 19 | 15,447 | 48,21 | | Jul. 19 | 50,902 | 2,66 |
| | Oct. 27 | 15,409 | 48,99 | | Oct. 27 | 50,922 | 1,90 |
| | Dec. 66 | 15,379 | 49,77 | | Dec. 66 | 50,932 | 1,15 |
| 1796 | Jan. 1 | 20 6 18,724 | — 13 7 39,03 | 1806 | Jan. 0 | 20 6 54,264 | — 13 5 50,88 |
| | Apr. 10 | 18,701 | 39,80 | | Apr. 10 | 54,268 | 50,15 |
| | Jul. 19 | 18,687 | 40,56 | | Jul. 19 | 54,262 | 49,44 |
| | Oct. 27 | 18,683 | 41,29 | | Oct. 27 | 54,247 | 48,77 |
| | Dec. 66 | 18,688 | 42,00 | | Dec. 66 | 54,223 | 48,13 |
| 1797 | Jan. 0 | 20 6 22,020 | — 13 7 31,28 | 1807 | Jan. 0 | 20 6 57,567 | — 13 5 37,81 |
| | Apr. 10 | 22,032 | 31,97 | | Apr. 10 | 57,535 | 37,20 |
| | Jul. 19 | 22,053 | 32,62 | | Jul. 19 | 57,497 | 36,63 |
| | Oct. 27 | 22,083 | 33,23 | | Oct. 27 | 57,448 | 36,12 |
| | Dec. 66 | 22,122 | 33,80 | | Dec. 66 | 57,391 | 35,67 |
| 1798 | Jan. 0 | 20 6 25,443 | — 13 7 23,12 | 1808 | Jan. 1 | 20 7 0,746 | — 13 5 25,28 |
| | Apr. 10 | 25,488 | 23,65 | | Apr. 10 | 0,683 | 24,86 |
| | Jul. 19 | 25,540 | 24,13 | | Jul. 19 | 0,613 | 24,51 |
| | Oct. 27 | 25,600 | 24,55 | | Oct. 27 | 0,536 | 24,23 |
| | Dec. 66 | 25,667 | 24,91 | | Dec. 66 | 0,453 | 24,01 |
| 1799 | Jan. 0 | 20 6 28,979 | — 13 7 14,30 | 1809 | Jan. 0 | 20 7 3,816 | — 13 5 13,54 |
| | Apr. 10 | 29,051 | 14,62 | | Apr. 10 | 3,728 | 13,37 |
| | Jul. 19 | 29,128 | 14,87 | | Jul. 19 | 3,636 | 13,28 |
| | Oct. 27 | 29,211 | 15,05 | | Oct. 27 | 3,539 | 13,26 |
| | Dec. 66 | 29,299 | 15,17 | | Dec. 66 | 3,438 | 13,31 |

## Tabulae X. Sect. III. 1*a* *Capricorni.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,252 | + 4,1 | − 2,56 | − 3,5 | +1 | −1 |
| 10 | −1,193 | + 7,7 | − 2,89 | − 3,1 | +1 | −1 |
| 20 | −1,098 | +11,2 | − 3,18 | − 2,5 | 0 | −1 |
| 30 | −0,970 | +14,3 | − 3,39 | − 1,6 | 0 | −1 |
| Febr. 9 | −0,812 | +17,3 | − 3,50 | − 0,5 | −1 | −1 |
| 19 | −0,625 | +19,9 | − 3,48 | + 1,0 | −1 | −1 |
| Mart. 1 | −0,414 | +22,3 | − 3,31 | + 2,6 | −2 | −1 |
| 11 | −0,179 | +24,6 | − 2,97 | + 4,3 | −2 | −1 |
| 21 | +0,077 | +26,5 | − 2,45 | + 6,2 | −3 | 0 |
| 31 | +0,351 | +28,2 | − 1,74 | + 8,0 | −3 | 0 |
| Apr. 10 | +0,640 | +29,5 | − 0,86 | + 9,6 | −3 | 0 |
| 20 | +0,940 | +30,4 | + 0,18 | +11,0 | −3 | 0 |
| 30 | +1,247 | +30,8 | + 1,33 | +12,0 | −3 | +1 |
| Maj. 10 | +1,556 | +30,8 | + 2,58 | +12,7 | −3 | +1 |
| 20 | +1,862 | +30,0 | + 3,86 | +12,9 | −3 | +1 |
| 30 | +2,156 | +28,6 | + 5,15 | +12,7 | −3 | +2 |
| Jun. 9 | +2,434 | +26,6 | + 6,40 | +12,1 | −3 | +2 |
| 19 | +2,687 | +23,8 | + 7,57 | +11,1 | −2 | +2 |
| 29 | +2,910 | +20,5 | + 8,62 | + 9,9 | −2 | +3 |
| Jul. 9 | +3,097 | +16,7 | + 9,54 | + 8,4 | −1 | +3 |
| 19 | +3,243 | +12,3 | +10,30 | + 6,8 | −1 | +3 |
| 29 | +3,343 | + 7,8 | +10,89 | + 5,1 | −1 | +4 |
| Aug. 8 | +3,398 | + 3,2 | +11,31 | + 3,4 | 0 | +4 |
| 18 | +3,406 | − 1,4 | +11,57 | + 1,9 | 0 | +4 |
| 28 | +3,370 | − 5,6 | +11,68 | + 0,5 | +1 | +4 |
| Sept. 7 | +3,294 | − 9,4 | +11,66 | − 0,7 | +1 | +4 |
| 17 | +3,183 | −12,4 | +11,54 | − 1,7 | +2 | +4 |
| 27 | +3,046 | −14,6 | +11,33 | − 2,5 | +2 | +4 |
| Oct. 7 | +2,891 | −16,0 | +11,05 | − 3,0 | +2 | +4 |
| 17 | +2,727 | −16,3 | +10,74 | − 3,3 | +3 | +4 |
| 27 | +2,565 | −15,7 | +10,40 | − 3,5 | +3 | +4 |
| Nov. 6 | +2,414 | −14,2 | +10,04 | − 3,7 | +3 | +4 |
| 16 | +2,282 | −11,9 | + 9,67 | − 3,8 | +2 | +4 |
| 26 | +2,177 | − 9,0 | + 9,29 | − 3,8 | +2 | +4 |
| Dec. 6 | +2,103 | − 5,6 | + 8,92 | − 3,8 | +2 | +4 |
| 16 | +2,065 | − 2,0 | + 8,54 | − 3,8 | +1 | +4 |
| 26 | +2,064 | + 1,8 | + 8,16 | − 3,7 | +1 | +4 |
| 36 | +2,101 | + 5,5 | + 7,81 | − 3,4 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 20 5 59,7871 | − 13 8 41,184 |
| 1791 | 6 3,1230 | 8 30,724 |
| 1792 | 6 6,4588 | 8 20,260 |
| 1793 | 6 9,7945 | 8 9,792 |
| 1794 | 6 13,1301 | 7 59,319 |
| 1795 | 6 16,4657 | 7 48,842 |
| 1796 | 6 19,8012 | 7 38,361 |
| 1797 | 6 23,1366 | 7 27,876 |
| 1798 | 6 26,4719 | 7 17,387 |
| 1799 | 6 29,8071 | 7 6,894 |
| 1800 | 6 33,1423 | 6 56,397 |
| 1801 | 6 36,4774 | 6 45,896 |
| 1802 | 6 39,8124 | 6 35,391 |
| 1803 | 6 43,1473 | 6 24,881 |
| 1804 | 6 46,4821 | 6 14,367 |
| 1805 | 6 49,8169 | 6 3,849 |
| 1806 | 6 53,1516 | 5 53,327 |
| 1807 | 6 56,4862 | 5 42,801 |
| 1808 | 6 59,8207 | 5 32,271 |
| 1809 | 7 3,1551 | 5 21,737 |
| 1810 | 7 6,4894 | 5 11,199 |

Diei reducto addendum est:

ante } Jan. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect III. 2 *a* *Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 20 6 24,234 | —13 10 52,08 | 1800 | Jan. 0 | 20 6 56,323 | —13 9 23,09 |
| | Apr. 10 | 24,155 | 51,81 | | Apr. 10 | 56,414 | 23,17 |
| | Jul. 19 | 24,070 | 51,61 | | Jul. 19 | 56,507 | 23,18 |
| | Oct. 27 | 23,980 | 51,48 | | Oct. 27 | 56,604 | 23,11 |
| | Dec. 66 | 23,885 | 51,43 | | Dec. 66 | 56,703 | 22,97 |
| 1791 | Jan. 0 | 20 6 27,258 | —13 10 40,95 | 1801 | Jan. 0 | 20 7 0,009 | —13 9 12,49 |
| | Apr. 10 | 27,159 | 40,94 | | Apr. 10 | 0,109 | 12,32 |
| | Jul. 19 | 27,058 | 41,01 | | Jul. 19 | 0,209 | 12,08 |
| | Oct. 27 | 26,955 | 41,15 | | Oct. 27 | 0,309 | 11,77 |
| | Dec. 66 | 26,850 | 41,37 | | Dec. 66 | 0,409 | 11,39 |
| 1792 | Jan. 1 | 20 6 30,226 | —13 10 30,79 | 1802 | Jan. 0 | 20 7 3,715 | —13 9 0,99 |
| | Apr. 10 | 30,120 | 31,06 | | Apr. 10 | 3,814 | 0,58 |
| | Jul. 19 | 30,015 | 31,39 | | Jul. 19 | 3,910 | 0,12 |
| | Oct. 27 | 29,910 | 31,78 | | Oct. 27 | 4,003 | 8 59,60 |
| | Dec. 66 | 29,809 | 32,24 | | Dec. 66 | 4,093 | 59,03 |
| 1793 | Jan. 0 | 20 6 33,183 | —13 10 21,58 | 1803 | Jan. 0 | 20 7 7,403 | —13 8 48,69 |
| | Apr. 10 | 33,083 | 22,08 | | Apr. 10 | 7,490 | 48,09 |
| | Jul. 19 | 32,987 | 22,63 | | Jul. 19 | 7,571 | 47,46 |
| | Oct. 27 | 32,895 | 23,23 | | Oct. 27 | 7,647 | 46,79 |
| | Dec. 66 | 32,808 | 23,88 | | Dec. 66 | 7,717 | 46,08 |
| 1794 | Jan. 0 | 20 6 36,176 | —13 10 13,16 | 1804 | Jan. 1 | 20 7 11,034 | —13 8 35,78 |
| | Apr. 10 | 36,093 | 13,84 | | Apr. 10 | 11,100 | 35,05 |
| | Jul. 19 | 36,017 | 14,54 | | Jul. 19 | 11,158 | 34,31 |
| | Oct. 27 | 35,948 | 15,27 | | Oct. 27 | 11,209 | 33,56 |
| | Dec. 66 | 35,886 | 16,03 | | Dec. 66 | 11,252 | 32,79 |
| 1795 | Jan. 0 | 20 6 39,246 | —13 10 5,27 | 1805 | Jan. 0 | 20 7 14,578 | —13 8 22,50 |
| | Apr. 10 | 39,190 | 6,04 | | Apr. 10 | 14,615 | 21,73 |
| | Jul. 19 | 39,142 | 6,82 | | Jul. 19 | 14,643 | 20,96 |
| | Oct. 27 | 39,104 | 7,59 | | Oct. 27 | 14,662 | 20,21 |
| | Dec. 66 | 39,074 | 8,37 | | Dec. 66 | 14,673 | 19,46 |
| 1796 | Jan. 1 | 20 6 42,423 | —13 9 57,60 | 1806 | Jan. 0 | 20 7 18,010 | —13 8 9,16 |
| | Apr. 10 | 42,400 | 58,37 | | Apr. 10 | 18,014 | 8,43 |
| | Jul. 19 | 42,386 | 59,13 | | Jul. 19 | 18,008 | 7,72 |
| | Oct. 27 | 42,382 | 59,87 | | Oct. 27 | 17,993 | 7,04 |
| | Dec. 66 | 42,388 | 10 0,58 | | Dec. 66 | 17,968 | 6,40 |
| 1797 | Jan. 0 | 20 6 45,725 | —13 9 49,83 | 1807 | Jan. 0 | 20 7 21,317 | —13 7 56,06 |
| | Apr. 10 | 45,737 | 50,52 | | Apr. 10 | 21,286 | 55,45 |
| | Jul. 19 | 45,757 | 51,17 | | Jul. 19 | 21,247 | 54,89 |
| | Oct. 27 | 45,787 | 51,77 | | Oct. 27 | 21,198 | 54,38 |
| | Dec. 66 | 45,826 | 52,34 | | Dec. 66 | 21,141 | 53,92 |
| 1798 | Jan. 0 | 20 6 49,152 | —13 9 41,64 | 1808 | Jan. 1 | 20 7 24,500 | —13 7 43,51 |
| | Apr. 10 | 49,197 | 42,17 | | Apr. 10 | 24,438 | 43,09 |
| | Jul. 19 | 49,249 | 42,64 | | Jul. 19 | 24,368 | 42,74 |
| | Oct. 27 | 49,309 | 43,06 | | Oct. 27 | 24,291 | 42,45 |
| | Dec. 66 | 49,376 | 43,42 | | Dec. 66 | 24,207 | 42,24 |
| 1799 | Jan. 0 | 20 6 52,693 | —13 9 32,78 | 1809 | Jan. 0 | 20 7 27,575 | —13 7 31,75 |
| | Apr. 10 | 52,765 | 33,10 | | Apr. 10 | 27,487 | 31,58 |
| | Jul. 19 | 52,842 | 33,35 | | Jul. 19 | 27,395 | 31,48 |
| | Oct. 27 | 52,925 | 33,53 | | Oct. 27 | 27,298 | 31,46 |
| | Dec. 66 | 53,013 | 33,65 | | Dec. 66 | 27,197 | 31,51 |

## Tabulae X. Sect. III. 2a *Capricorni.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,252 | + 4,1 | − 2,57 | − 3,5 | +1 | −1 | 1790 | 20 6 23,4597 | −13 10 59,914 |
| 10 | −1,192 | + 7,7 | − 2,90 | − 3,1 | +1 | −1 | 1791 | 6 26,8001 | 10 49,426 |
| 20 | −1,098 | +11,1 | − 3,18 | − 2,5 | 0 | −1 | 1792 | 6 30,1405 | 10 38,934 |
| 30 | −0,970 | +14,3 | − 3,39 | − 1,6 | 0 | −1 | 1793 | 6 33,4808 | 10 28,438 |
| Febr. 9 | −0,812 | +17,2 | − 3,50 | − 0,5 | −1 | −1 | 1794 | 6 36,8210 | 10 17,938 |
| | | | | | | | 1795 | 6 40,1611 | 10 7,434 |
| 19 | −0,626 | +19,9 | − 3,48 | + 1,0 | −1 | −1 | 1796 | 6 43,5011 | 9 56,926 |
| Mart. 1 | −0,415 | +22,3 | − 3,30 | + 2,6 | −2 | −1 | 1797 | 6 46,8411 | 9 46,413 |
| 11 | −0,180 | +24,6 | − 2,96 | + 4,4 | −2 | −1 | 1798 | 6 50,1810 | 9 35,896 |
| 21 | +0,076 | +26,5 | − 2,43 | + 6,2 | −3 | 0 | 1799 | 6 53,5208 | 9 25,375 |
| 31 | +0,350 | +28,2 | − 1,72 | + 8,0 | −3 | 0 | 1800 | 6 56,8605 | 9 14,850 |
| | | | | | | | 1801 | 7 0,2001 | 9 4,321 |
| Apr. 10 | +0,639 | +29,5 | − 0,84 | + 9,6 | −3 | 0 | 1802 | 7 3,5397 | 8 53,788 |
| 20 | +0,939 | +30,4 | + 0,20 | +11,0 | −3 | 0 | 1803 | 7 6,8792 | 8 43,250 |
| 30 | +1,247 | +30,9 | + 1,36 | +12,0 | −3 | 0 | 1804 | 7 10,2186 | 8 32,709 |
| Maj. 10 | +1,556 | +30,7 | + 2,60 | +12,7 | −3 | +1 | 1805 | 7 13,5579 | 8 22,164 |
| 20 | +1,861 | +30,0 | + 3,89 | +12,9 | −3 | +1 | 1806 | 7 16,8971 | 8 11,614 |
| | | | | | | | 1807 | 7 20,2363 | 8 1,060 |
| 30 | +2,156 | +28,7 | + 5,18 | +12,7 | −3 | +2 | 1808 | 7 23,5754 | 7 50,502 |
| Jun. 9 | +2,434 | +26,6 | + 6,43 | +12,1 | −3 | +2 | 1809 | 7 26,9144 | 7 39,941 |
| 19 | +2,688 | +23,9 | + 7,60 | +11,1 | −2 | +2 | 1810 | 7 30,2532 | 7 29,375 |
| 29 | +2,912 | +20,6 | + 8,65 | + 9,9 | −2 | +3 | | | |
| Jul. 9 | +3,099 | +16,7 | + 9,57 | + 8,4 | −2 | +3 | | | |
| 19 | +3,245 | +12,4 | +10,32 | + 6,8 | −1 | +3 | | | |
| 29 | +3,346 | + 7,8 | +10,92 | + 5,1 | −1 | +4 | | | |
| Aug. 8 | +3,401 | + 3,2 | +11,33 | + 3,4 | 0 | +4 | | | |
| 18 | +3,410 | − 1,4 | +11,59 | + 1,9 | 0 | +4 | | | |
| 28 | +3,374 | − 5,6 | +11,70 | + 0,5 | +1 | +4 | | | |
| Sept. 7 | +3,298 | − 9,3 | +11,68 | − 0,8 | +1 | +4 | | | |
| 17 | +3,188 | −12,4 | +11,55 | − 1,7 | +2 | +4 | | | |
| 27 | +3,051 | −14,6 | +11,34 | − 2,4 | +2 | +4 | | | |
| Oct. 7 | +2,896 | −15,9 | +11,07 | − 3,0 | +2 | +4 | | | |
| 17 | +2,733 | −16,3 | +10,75 | − 3,3 | +2 | +4 | | | |
| 27 | +2,571 | −15,7 | +10,41 | − 3,5 | +3 | +4 | | | |
| Nov. 6 | +2,420 | −14,2 | +10,05 | − 3,7 | +3 | +4 | | | |
| 16 | +2,288 | −11,9 | + 9,68 | − 3,8 | +2 | +4 | | | |
| 26 | +2,182 | − 9,0 | + 9,30 | − 3,8 | +2 | +4 | | | |
| Dec. 6 | +2,109 | − 5,6 | + 8,93 | − 3,8 | +2 | +4 | | | |
| 16 | +2,071 | − 2,0 | + 8,55 | − 3,8 | +1 | +4 | | | |
| 26 | +2,070 | + 1,8 | + 8,18 | − 3,6 | +1 | +3 | | | |
| 36 | +2,106 | + 5,5 | + 7,83 | − 3,4 | 0 | +3 | | | |

Diei reducto addendum est:

ante } Jan. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Cygni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 20 34 17,418 | +44 32 20,51 | 1800 | Jan. 0 | 20 34 36,392 | +44 34 9,60 |
| | Apr. 10 | 17,397 | 20,70 | | Apr. 10 | 36,429 | 9,61 |
| | Jul. 19 | 17,369 | 20,81 | | Jul. 19 | 36,471 | 9,68 |
| | Oct. 27 | 17,336 | 20,86 | | Oct. 27 | 36,517 | 9,82 |
| | Dec. 66 | 17,296 | 20,83 | | Dec. 66 | 36,568 | 10,03 |
| 1791 | Jan. 0 | 20 34 19,350 | +44 32 33,34 | 1801 | Jan. 0 | 20 34 38,591 | +44 34 22,47 |
| | Apr. 10 | 19,306 | 33,26 | | Apr. 10 | 38,645 | 22,72 |
| | Jul. 19 | 19,258 | 33,12 | | Jul. 19 | 38,703 | 23,02 |
| | Oct. 27 | 19,204 | 32,90 | | Oct. 27 | 38,764 | 23,39 |
| | Dec. 66 | 19,146 | 32,62 | | Dec. 66 | 38,828 | 23,82 |
| 1792 | Jan. 1 | 20 34 21,206 | +44 32 45,22 | 1802 | Jan. 0 | 20 34 40,847 | +44 34 36,19 |
| | Apr. 10 | 21,145 | 44,89 | | Apr. 10 | 40,913 | 36,65 |
| | Jul. 19 | 21,081 | 44,50 | | Jul. 19 | 40,980 | 37,16 |
| | Oct. 27 | 21,013 | 44,04 | | Oct. 27 | 41,048 | 37,71 |
| | Dec. 66 | 20,943 | 43,53 | | Dec. 66 | 41,118 | 38,31 |
| 1793 | Jan. 0 | 20 34 23,007 | +44 32 56,21 | 1803 | Jan. 0 | 20 34 43,136 | +44 34 50,63 |
| | Apr. 10 | 22,936 | 55,67 | | Apr. 10 | 43,206 | 51,26 |
| | Jul. 19 | 22,864 | 55,08 | | Jul. 19 | 43,276 | 51,91 |
| | Oct. 27 | 22,792 | 54,45 | | Oct. 27 | 43,345 | 52,59 |
| | Dec. 66 | 22,719 | 53,77 | | Dec. 66 | 43,414 | 53,30 |
| 1794 | Jan. 0 | 20 34 24,784 | +44 33 6,50 | 1804 | Jan. 1 | 20 34 45,432 | +44 35 5,59 |
| | Apr. 10 | 24,711 | 5,81 | | Apr. 10 | 45,499 | 6,31 |
| | Jul. 19 | 24,640 | 5,09 | | Jul. 19 | 45,564 | 7,04 |
| | Oct. 27 | 24,571 | 4,36 | | Oct. 27 | 45,626 | 7,78 |
| | Dec. 66 | 24,503 | 3,60 | | Dec. 66 | 45,686 | 8,54 |
| 1795 | Jan. 0 | 20 34 26,566 | +44 33 16,36 | 1805 | Jan. 0 | 20 34 47,707 | +44 35 20,81 |
| | Apr. 10 | 26,500 | 15,60 | | Apr. 10 | 47,764 | 21,56 |
| | Jul. 19 | 26,438 | 14,85 | | Jul. 19 | 47,817 | 22,29 |
| | Oct. 27 | 26,380 | 14,10 | | Oct. 27 | 47,865 | 23,01 |
| | Dec. 66 | 26,327 | 13,35 | | Dec. 66 | 47,909 | 23,71 |
| 1796 | Jan. 1 | 20 34 28,385 | +44 33 26,10 | 1806 | Jan. 0 | 20 34 49,936 | +44 35 36,01 |
| | Apr. 10 | 28,334 | 25,37 | | Apr. 10 | 49,976 | 36,69 |
| | Jul. 19 | 28,288 | 24,66 | | Jul. 19 | 50,011 | 37,34 |
| | Oct. 27 | 28,248 | 23,98 | | Oct. 27 | 50,040 | 37,95 |
| | Dec. 66 | 28,213 | 23,32 | | Dec. 66 | 50,062 | 38,52 |
| 1797 | Jan. 0 | 20 34 30,265 | +44 33 36,05 | 1807 | Jan. 0 | 20 34 52,096 | +44 35 50,87 |
| | Apr. 10 | 30,234 | 35,42 | | Apr. 10 | 52,115 | 51,41 |
| | Jul. 19 | 30,209 | 34,83 | | Jul. 19 | 52,127 | 51,90 |
| | Oct. 27 | 30,191 | 34,30 | | Oct. 27 | 52,132 | 52,32 |
| | Dec. 66 | 30,179 | 33,81 | | Dec. 66 | 52,130 | 52,71 |
| 1798 | Jan. 0 | 20 34 32,223 | +44 33 46,48 | 1808 | Jan. 1 | 20 34 54,172 | +44 36 5,12 |
| | Apr. 10 | 32,215 | 46,02 | | Apr. 10 | 54,166 | 5,45 |
| | Jul. 19 | 32,213 | 45,63 | | Jul. 19 | 54,153 | 5,72 |
| | Oct. 27 | 32,218 | 45,29 | | Oct. 27 | 54,133 | 5,92 |
| | Dec. 66 | 32,230 | 45,02 | | Dec. 66 | 54,108 | 6,05 |
| 1799 | Jan. 0 | 20 34 34,266 | +44 33 57,62 | 1809 | Jan. 0 | 20 34 56,158 | +44 36 18,55 |
| | Apr. 10 | 34,282 | 57,38 | | Apr. 10 | 56,128 | 18,64 |
| | Jul. 19 | 34,303 | 57,21 | | Jul. 19 | 56,092 | 18,65 |
| | Oct. 27 | 34,330 | 57,11 | | Oct. 27 | 56,050 | 18,59 |
| | Dec. 66 | 34,363 | 57,08 | | Dec. 66 | 56,003 | 18,46 |

## Tabulae X. Sect. III. *α Cygni.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,606 | — 7,3 | + 6,49 | —26,5 | 0 | +2 |
| 10 | —1,655 | — 2,5 | + 3,72 | —28,5 | 0 | +3 |
| 20 | —1,655 | + 2,5 | + 0,79 | —29,5 | —1 | +3 |
| 30 | —1,606 | + 7,5 | — 2,18 | —29,4 | —1 | +3 |
| Febr. 9 | —1,506 | +12,4 | — 5,08 | —28,1 | —2 | +3 |
| 19 | —1,358 | +17,1 | — 7,79 | —25,6 | —2 | +2 |
| Mart. 1 | —1,164 | +21,6 | —10,20 | —22,1 | —2 | +2 |
| 11 | —0,926 | +25,8 | —12,21 | —17,7 | —3 | +2 |
| 21 | —0,649 | +29,4 | —13,74 | —12,7 | —3 | +1 |
| 31 | —0,339 | +32,4 | —14,74 | — 7,1 | —3 | +1 |
| Apr. 10 | —0,002 | +34,7 | —15,16 | — 1,3 | —3 | +1 |
| 20 | +0,354 | +36,2 | —14,99 | + 4,7 | —3 | 0 |
| 30 | +0,721 | +36,8 | —14,23 | +10,3 | —2 | 0 |
| Maj. 10 | +1,090 | +36,6 | —12,93 | +15,6 | —2 | 0 |
| 20 | +1,452 | +35,3 | —11,11 | +20,4 | —2 | —1 |
| 30 | +1,796 | +33,2 | — 8,86 | +24,4 | —1 | —1 |
| Jun. 9 | +2,115 | +30,2 | — 6,23 | +27,8 | —1 | —1 |
| 19 | +2,400 | +26,4 | — 3,31 | +30,3 | —1 | —1 |
| 29 | +2,643 | +21,9 | — 0,17 | +32,1 | 0 | —1 |
| Jul. 9 | +2,838 | +16,9 | + 3,10 | +33,0 | 0 | —1 |
| 19 | +2,980 | +11,4 | + 6,42 | +33,1 | +1 | —1 |
| 29 | +3,065 | + 5,7 | + 9,71 | +32,4 | +1 | —1 |
| Aug. 8 | +3,094 | + 0,1 | +12,89 | +31,1 | +1 | —1 |
| 18 | +3,066 | — 5,5 | +15,92 | +29,1 | +2 | 0 |
| 28 | +2,984 | —10,7 | +18,71 | +26,5 | +2 | 0 |
| Sept. 7 | +2,853 | —15,3 | +21,22 | +23,4 | +2 | 0 |
| 17 | +2,677 | —19,3 | +23,39 | +19,9 | +3 | +1 |
| 27 | +2,467 | —22,4 | +25,19 | +15,9 | +3 | +1 |
| Oct. 7 | +2,229 | —24,7 | +26,57 | +11,6 | +3 | +1 |
| 17 | +1,973 | —26,0 | +27,50 | + 7,0 | +3 | +2 |
| 27 | +1,710 | —26,2 | +27,96 | + 2,2 | +3 | +2 |
| Nov. 6 | +1,450 | —25,4 | +27,93 | — 2,8 | +3 | +3 |
| 16 | +1,202 | —23,8 | +27,40 | — 7,8 | +3 | +3 |
| 26 | +0,974 | —21,3 | +26,37 | —12,7 | +2 | +4 |
| Dec. 6 | +0,776 | —18,1 | +24,87 | —17,2 | +2 | +4 |
| 16 | +0,612 | —14,4 | +22,93 | —21,3 | +2 | +4 |
| 26 | +0,489 | —10,1 | +20,62 | —24,7 | +1 | +5 |
| 36 | +0,410 | — 5,5 | +17,99 | —27,4 | +1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 20 34 16,6608 | +44 32 12,615 |
| 1791 | 34 18,7012 | 32 25,111 |
| 1792 | 34 20,7416 | 32 37,609 |
| 1793 | 34 22,7820 | 32 50,109 |
| 1794 | 34 24,8224 | 33 2,611 |
| 1795 | 34 26,8629 | 33 15,116 |
| 1796 | 34 28,9034 | 33 27,623 |
| 1797 | 34 30,9439 | 33 40,132 |
| 1798 | 34 32,9844 | 33 52,644 |
| 1799 | 34 35,0250 | 34 5,158 |
| 1800 | 34 37,0656 | 34 17,673 |
| 1801 | 34 39,1062 | 34 30,191 |
| 1802 | 34 41,1468 | 34 42,712 |
| 1803 | 34 43,1875 | 34 55,235 |
| 1804 | 34 45,2282 | 35 7,760 |
| 1805 | 34 47,2689 | 35 20,287 |
| 1806 | 34 49,3096 | 35 32,817 |
| 1807 | 34 51,3504 | 35 45,349 |
| 1808 | 34 53,3912 | 35 57,883 |
| 1809 | 34 55,4320 | 36 10,419 |
| 1810 | 34 57,4728 | 36 22,958 |

Diei reducto addendum est:

ante } Jan. 25 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Aquarii.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 21h 55′ 0″,378 | — 1° 19′ 52″,91 |
| | Apr. 10 | 0,309 | 52,98 |
| | Jul. 19 | 0,234 | 53,12 |
| | Oct. 27 | 0,153 | 53,32 |
| | Dec. 66 | 0,067 | 53,58 |
| 1791 | Jan. 0 | 21 55 3,182 | — 1 19 36,36 |
| | Apr. 10 | 3,093 | 36,66 |
| | Jul. 19 | 3,002 | 37,02 |
| | Oct. 27 | 2,908 | 37,43 |
| | Dec. 66 | 2,811 | 37,90 |
| 1792 | Jan. 1 | 21 55 5,929 | — 1 19 20,60 |
| | Apr. 10 | 5,831 | 21,10 |
| | Jul. 19 | 5,734 | 21,64 |
| | Oct. 27 | 5,638 | 22,21 |
| | Dec. 66 | 5,542 | 22,83 |
| 1793 | Jan. 0 | 21 55 8,659 | — 1 19 5,48 |
| | Apr. 10 | 8,565 | 6,12 |
| | Jul. 19 | 8,474 | 6,77 |
| | Oct. 27 | 8,387 | 7,44 |
| | Dec. 66 | 8,304 | 8,12 |
| 1794 | Jan. 0 | 21 55 11,416 | — 1 18 50,76 |
| | Apr. 10 | 11,336 | 51,45 |
| | Jul. 19 | 11,263 | 52,14 |
| | Oct. 27 | 11,195 | 52,82 |
| | Dec. 66 | 11,134 | 53,50 |
| 1795 | Jan. 0 | 21 55 14,239 | — 1 18 36,13 |
| | Apr. 10 | 14,182 | 36,80 |
| | Jul. 19 | 14,134 | 37,44 |
| | Oct. 27 | 14,094 | 38,06 |
| | Dec. 66 | 14,062 | 38,65 |
| 1796 | Jan. 1 | 21 55 17,156 | — 1 18 21,32 |
| | Apr. 10 | 17,130 | 21,88 |
| | Jul. 19 | 17,112 | 22,41 |
| | Oct. 27 | 17,103 | 22,89 |
| | Dec. 66 | 17,103 | 23,32 |
| 1797 | Jan. 0 | 21 55 20,187 | — 1 18 6,04 |
| | Apr. 10 | 20,193 | 6,44 |
| | Jul. 19 | 20,207 | 6,79 |
| | Oct. 27 | 20,230 | 7,09 |
| | Dec. 66 | 20,261 | 7,33 |
| 1798 | Jan. 0 | 21 55 23,334 | — 1 17 50,11 |
| | Apr. 10 | 23,371 | 50,31 |
| | Jul. 19 | 23,415 | 50,45 |
| | Oct. 27 | 23,466 | 50,52 |
| | Dec. 66 | 23,524 | 50,54 |
| 1799 | Jan. 0 | 21 55 26,589 | — 1 17 33,40 |
| | Apr. 10 | 26,651 | 33,37 |
| | Jul. 19 | 26,719 | 33,29 |
| | Oct. 27 | 26,792 | 33,15 |
| | Dec. 66 | 26,871 | 32,95 |
| 1800 | Jan. 0 | 21h 55′ 29″,929 | — 1° 17′ 15″,87 |
| | Apr. 10 | 30,011 | 15,63 |
| | Jul. 19 | 30,095 | 15,34 |
| | Oct. 27 | 30,183 | 15,00 |
| | Dec. 66 | 30,273 | 14,60 |
| 1801 | Jan. 0 | 21 55 33,328 | — 1 16 57,59 |
| | Apr. 10 | 33,419 | 57,16 |
| | Jul. 19 | 33,511 | 56,70 |
| | Oct. 27 | 33,603 | 56,19 |
| | Dec. 66 | 33,696 | 55,64 |
| 1802 | Jan. 0 | 21 55 36,750 | — 1 16 38,67 |
| | Apr. 10 | 36,842 | 38,10 |
| | Jul. 19 | 36,932 | 37,51 |
| | Oct. 27 | 37,020 | 36,89 |
| | Dec. 66 | 37,105 | 36,25 |
| 1803 | Jan. 0 | 21 55 40,161 | — 1 16 19,31 |
| | Apr. 10 | 40,244 | 18,66 |
| | Jul. 19 | 40,323 | 18,00 |
| | Oct. 27 | 40,396 | 17,34 |
| | Dec. 66 | 40,464 | 16,67 |
| 1804 | Jan. 1 | 21 55 43,527 | — 1 15 59,73 |
| | Apr. 10 | 43,592 | 59,06 |
| | Jul. 19 | 43,650 | 58,41 |
| | Oct. 27 | 43,701 | 57,77 |
| | Dec. 66 | 43,745 | 57,14 |
| 1805 | Jan. 0 | 21 55 46,816 | — 1 15 40,19 |
| | Apr. 10 | 46,855 | 39,58 |
| | Jul. 19 | 46,886 | 39,01 |
| | Oct. 27 | 46,909 | 38,46 |
| | Dec. 66 | 46,923 | 37,95 |
| 1806 | Jan. 0 | 21 55 50,004 | — 1 15 20,96 |
| | Apr. 10 | 50,013 | 20,48 |
| | Jul. 19 | 50,013 | 20,05 |
| | Oct. 27 | 50,004 | 19,67 |
| | Dec. 66 | 49,987 | 19,33 |
| 1807 | Jan. 0 | 21 55 53,078 | — 1 15 2,27 |
| | Apr. 10 | 53,055 | 1,98 |
| | Jul. 19 | 53,023 | 1,75 |
| | Oct. 27 | 52,983 | 1,57 |
| | Dec. 66 | 52,935 | 1,46 |
| 1808 | Jan. 1 | 21 55 56,036 | — 1 14 44,32 |
| | Apr. 10 | 55,982 | 44,25 |
| | Jul. 19 | 55,922 | 44,25 |
| | Oct. 27 | 55,855 | 44,31 |
| | Dec. 66 | 55,781 | 44,43 |
| 1809 | Jan. 0 | 21 55 58,891 | — 1 14 27,21 |
| | Apr. 10 | 58,813 | 27,38 |
| | Jul. 19 | 58,730 | 27,61 |
| | Oct. 27 | 58,643 | 27,90 |
| | Dec. 66 | 58,552 | 28,25 |

## Tabulae X. Sect. III. *α Aquarii.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,845 | − 5,2 | − 1,32 | − 7,7 | +2 | +1 |
| 10 | −0,885 | − 2,7 | − 2,09 | − 7,6 | +2 | +1 |
| 20 | −0,899 | 0,0 | − 2,33 | − 7,1 | +2 | +1 |
| 30 | −0,885 | + 2,8 | − 3,50 | − 6,1 | +1 | +1 |
| Febr. 9 | −0,844 | + 5,6 | − 4,05 | − 4,8 | 0 | +1 |
| 19 | −0,774 | + 8,6 | − 4,46 | − 3,1 | 0 | 0 |
| Mart. 1 | −0,673 | +11,6 | − 4,67 | − 1,0 | −1 | 0 |
| 11 | −0,542 | +14,8 | − 4,66 | + 1,4 | −1 | 0 |
| 21 | −0,378 | +17,9 | − 4,40 | + 4,0 | −2 | 0 |
| 31 | −0,185 | +20,9 | − 3,87 | + 6,7 | −2 | 0 |
| Apr. 10 | +0,038 | +23,7 | − 3,06 | + 9,5 | −2 | −1 |
| 20 | +0,289 | +26,2 | − 1,98 | +12,0 | −3 | −1 |
| 30 | +0,562 | +28,3 | − 0,66 | +14,3 | −3 | −1 |
| Maj. 10 | +0,855 | +29,9 | + 0,88 | +16,3 | −3 | −1 |
| 20 | +1,160 | +30,8 | + 2,59 | +17,8 | −3 | −1 |
| 30 | +1,471 | +31,0 | + 4,44 | +18,8 | −3 | −1 |
| Jun. 9 | +1,780 | +30,4 | + 6,35 | +19,3 | −3 | −1 |
| 19 | +2,079 | +29,1 | + 8,29 | +19,3 | −3 | 0 |
| 29 | +2,361 | +27,0 | +10,20 | +18,7 | −2 | 0 |
| Jul. 9 | +2,619 | +24,2 | +12,03 | +17,6 | −2 | 0 |
| 19 | +2,844 | +20,7 | +13,72 | +16,2 | −2 | 0 |
| 29 | +3,033 | +16,9 | +15,26 | +14,5 | −1 | +1 |
| Aug. 8 | +3,181 | +12,7 | +16,61 | +12,4 | −1 | +1 |
| 18 | +3,285 | + 8,3 | +17,74 | +10,3 | −1 | +1 |
| 28 | +3,345 | + 3,9 | +18,66 | + 8,1 | 0 | +2 |
| Sept. 7 | +3,362 | − 0,3 | +19,35 | + 5,9 | 0 | +2 |
| 17 | +3,339 | − 4,1 | +19,83 | + 3,8 | +1 | +2 |
| 27 | +3,280 | − 7,4 | +20,10 | + 1,8 | +1 | +3 |
| Oct. 7 | +3,192 | − 9,9 | +20,19 | 0,0 | +2 | +3 |
| 17 | +3,082 | −11,8 | +20,10 | − 1,6 | +2 | +3 |
| 27 | +2,957 | −12,9 | +19,87 | − 3,0 | +2 | +3 |
| Nov. 6 | +2,824 | −13,3 | +19,50 | − 4,3 | +3 | +3 |
| 16 | +2,692 | −13,0 | +19,02 | − 5,3 | +3 | +4 |
| 26 | +2,565 | −12,0 | +18,44 | − 6,2 | +3 | +4 |
| Dec. 6 | +2,452 | −10,6 | +17,79 | − 6,9 | +3 | +4 |
| 16 | +2,354 | − 8,8 | +17,07 | − 7,4 | +2 | +4 |
| 26 | +2,276 | − 6,6 | +16,31 | − 7,7 | +2 | +4 |
| 36 | +2,222 | − 4,3 | +15,54 | − 7,7 | +2 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 21 54 59,6235 | − 1 20 0,326 |
| 1791 | 55 2,7087 | 19 43,198 |
| 1792 | 55 5,7939 | 19 26,067 |
| 1793 | 55 8,8791 | 19 8,934 |
| 1794 | 55 11,9642 | 18 51,799 |
| 1795 | 55 15,0492 | 18 34,661 |
| 1796 | 55 18,1342 | 18 17,521 |
| 1797 | 55 21,2192 | 18 0,379 |
| 1798 | 55 24,3041 | 17 43,234 |
| 1799 | 55 27,3890 | 17 26,087 |
| 1800 | 55 30,4739 | 17 8,938 |
| 1801 | 55 33,5587 | 16 51,787 |
| 1802 | 55 36,6435 | 16 34,633 |
| 1803 | 55 39,7282 | 16 17,477 |
| 1804 | 55 42,8129 | 16 0,319 |
| 1805 | 55 45,8975 | 15 43,159 |
| 1806 | 55 48,9821 | 15 25,996 |
| 1807 | 55 52,0667 | 15 8,831 |
| 1808 | 55 55,1512 | 14 51,664 |
| 1809 | 55 58,2356 | 14 34,494 |
| 1810 | 56 1,3200 | 14 17,322 |

Diei reducto addendum est:

ante / post } Febr. 14 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *a Piscis austrini.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 22 46 1,362 | —30 43 46,46 | 1800 | Jan. 0 | 22 46 33,924 | —30 40 50,87 |
| | Apr. 10 | 1,266 | 46,70 | | Apr. 10 | 34,026 | 50,50 |
| | Jul. 19 | 1,166 | 46,99 | | Jul. 19 | 34,129 | 50,09 |
| | Oct. 27 | 1,062 | 47,33 | | Oct. 27 | 34,233 | 49,64 |
| | Dec. 66 | 0,955 | 47,73 | | Dec. 66 | 34,338 | 49,15 |
| 1791 | Jan. 0 | 22 46 4,339 | —30 43 28,80 | 1801 | Jan. 0 | 22 46 37,649 | —30 40 30,51 |
| | Apr. 10 | 4,230 | 29,22 | | Apr. 10 | 37,753 | 30,00 |
| | Jul. 19 | 4,122 | 29,69 | | Jul. 19 | 37,855 | 29,46 |
| | Oct. 27 | 4,013 | 30,20 | | Oct. 27 | 37,955 | 28,89 |
| | Dec. 66 | 3,904 | 30,76 | | Dec. 66 | 38,052 | 28,30 |
| 1792 | Jan. 1 | 22 46 7,288 | —30 43 11,77 | 1802 | Jan. 0 | 22 46 41,365 | —30 40 9,69 |
| | Apr. 10 | 7,180 | 12,34 | | Apr. 10 | 41,460 | 9,09 |
| | Jul. 19 | 7,076 | 12,94 | | Jul. 19 | 41,550 | 8,48 |
| | Oct. 27 | 6,975 | 13,56 | | Oct. 27 | 41,635 | 7,86 |
| | Dec. 66 | 6,878 | 14,20 | | Dec. 66 | 41,715 | 7,23 |
| 1793 | Jan. 0 | 22 46 10,257 | —30 42 55,19 | 1803 | Jan. 0 | 22 46 45,034 | —30 39 48,63 |
| | Apr. 10 | 10,163 | 55,84 | | Apr. 10 | 45,110 | 48,00 |
| | Jul. 19 | 10,075 | 56,49 | | Jul. 19 | 45,178 | 47,38 |
| | Oct. 27 | 9,994 | 57,14 | | Oct. 27 | 45,239 | 46,77 |
| | Dec. 66 | 9,920 | 57,79 | | Dec. 66 | 45,293 | 46,17 |
| 1794 | Jan. 0 | 22 46 13,291 | —30 42 38,77 | 1804 | Jan. 1 | 22 46 48,621 | —30 39 27,55 |
| | Apr. 10 | 13,222 | 39,42 | | Apr. 10 | 48,670 | 26,97 |
| | Jul. 19 | 13,162 | 40,04 | | Jul. 19 | 48,709 | 26,41 |
| | Oct. 27 | 13,111 | 40,65 | | Oct. 27 | 48,739 | 25,88 |
| | Dec. 66 | 13,068 | 41,24 | | Dec. 66 | 48,761 | 25,37 |
| 1795 | Jan. 0 | 22 46 16,428 | —30 42 22,25 | 1805 | Jan. 0 | 22 46 52,099 | —30 39 6,72 |
| | Apr. 10 | 16,392 | 22,81 | | Apr. 10 | 52,114 | 6,24 |
| | Jul. 19 | 16,366 | 23,34 | | Jul. 19 | 52,120 | 5,80 |
| | Oct. 27 | 16,350 | 23,83 | | Oct. 27 | 52,116 | 5,40 |
| | Dec. 66 | 16,343 | 24,28 | | Dec. 66 | 52,102 | 5,05 |
| 1796 | Jan. 1 | 22 46 19,691 | —30 42 5,34 | 1806 | Jan. 0 | 22 46 55,452 | —30 38 46,35 |
| | Apr. 10 | 19,691 | 5,76 | | Apr. 10 | 55,432 | 46,03 |
| | Jul. 19 | 19,701 | 6,13 | | Jul. 19 | 55,402 | 45,76 |
| | Oct. 27 | 19,721 | 6,45 | | Oct. 27 | 55,363 | 45,55 |
| | Dec. 66 | 19,751 | 6,72 | | Dec. 66 | 55,314 | 45,40 |
| 1797 | Jan. 0 | 22 46 23,087 | —30 41 47,83 | 1807 | Jan. 0 | 22 46 58,676 | —30 38 26,63 |
| | Apr. 10 | 23,123 | 48,07 | | Apr. 10 | 58,621 | 26,51 |
| | Jul. 19 | 23,167 | 48,24 | | Jul. 19 | 58,559 | 26,45 |
| | Oct. 27 | 23,221 | 48,36 | | Oct. 27 | 58,488 | 26,46 |
| | Dec. 66 | 23,283 | 48,42 | | Dec. 66 | 58,410 | 26,52 |
| 1798 | Jan. 0 | 22 46 26,607 | —30 41 29,61 | 1808 | Jan. 1 | 22 47 1,781 | —30 38 7,68 |
| | Apr. 10 | 26,674 | 29,63 | | Apr. 10 | 1,698 | 7,78 |
| | Jul. 19 | 26,748 | 29,60 | | Jul. 19 | 1,609 | 7,94 |
| | Oct. 27 | 26,828 | 29,51 | | Oct. 27 | 1,515 | 8,16 |
| | Dec. 66 | 26,914 | 29,36 | | Dec. 66 | 1,416 | 8,44 |
| 1799 | Jan. 0 | 22 46 30,230 | —30 41 10,61 | 1809 | Jan. 0 | 22 47 4,793 | —30 37 49,52 |
| | Apr. 10 | 30,320 | 10,43 | | Apr. 10 | 4,691 | 49,84 |
| | Jul. 19 | 30,414 | 10,19 | | Jul. 19 | 4,586 | 50,21 |
| | Oct. 27 | 30,511 | 9,90 | | Oct. 27 | 4,479 | 50,62 |
| | Dec. 66 | 30,612 | 9,56 | | Dec. 66 | 4,370 | 51,09 |

## Tabulae X. Sect. III. *α Piscis austrini.*

| | 1800 | | 1800 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,717 | −10,0 | −10,00 | + 2,8 | +4 | 0 | 1790 | 22 46 0,7723 | −30 43 53,103 |
| 10 | −0,805 | − 7,6 | − 9,58 | + 5,6 | +4 | 0 | 1791 | 46 4,1200 | 43 34,311 |
| 20 | −0,869 | − 5,1 | − 8,89 | + 8,2 | +3 | −1 | 1792 | 46 7,4675 | 43 15,517 |
| 30 | −0,906 | − 2,2 | − 7,94 | +10,8 | +3 | −1 | 1793 | 46 10,8147 | 42 56,722 |
| Febr. 9 | −0,913 | + 0,9 | − 6,74 | +13,1 | +2 | −2 | 1794 | 46 14,1617 | 42 37,925 |
| | | | | | | | 1795 | 46 17,5085 | 42 19,127 |
| 19 | −0,889 | + 4,1 | − 5,32 | +15,3 | +1 | −2 | 1796 | 46 20,8551 | 42 0,327 |
| Mart. 1 | −0,832 | + 7,5 | − 3,69 | +17,2 | +1 | −2 | 1797 | 46 24,2015 | 41 41,525 |
| 11 | −0,739 | +11,2 | − 1,88 | +18,9 | 0 | −2 | 1798 | 46 27,5477 | 41 22,722 |
| 21 | −0,609 | +14,9 | + 0,09 | +20,4 | −1 | −3 | 1799 | 46 30,8936 | 41 3,917 |
| 31 | −0,441 | +18,7 | + 2,19 | +21,5 | −2 | −3 | 1800 | 46 34,2393 | 40 45,111 |
| | | | | | | | 1801 | 46 37,5848 | 40 26,304 |
| Apr. 10 | −0,236 | +22,4 | + 4,39 | +22,2 | −2 | −3 | 1802 | 46 40,9301 | 40 7,495 |
| 20 | +0,006 | +25,9 | + 6,63 | +22,5 | −3 | −2 | 1803 | 46 44,2752 | 39 48,685 |
| 30 | +0,281 | +29,0 | + 8,89 | +22,4 | −3 | −2 | 1804 | 46 47,6201 | 39 29,873 |
| Maj. 10 | +0,585 | +31,6 | +11,10 | +21,7 | −4 | −2 | 1805 | 46 50,9647 | 39 11,060 |
| 20 | +0,913 | +33,7 | +13,22 | +20,5 | −4 | −2 | 1806 | 46 54,3091 | 38 52,245 |
| | | | | | | | 1807 | 46 57,6533 | 38 33,428 |
| 30 | +1,258 | +34,9 | +15,20 | +18,8 | −4 | −1 | 1808 | 47 0,9973 | 38 14,610 |
| Jun. 9 | +1,611 | +35,3 | +16,98 | +16,6 | −5 | −1 | 1809 | 47 4,3410 | 37 55,791 |
| 19 | +1,964 | +34,9 | +18,52 | +14,0 | −5 | 0 | 1810 | 47 7,6846 | 37 36,970 |
| 29 | +2,308 | +33,5 | +19,78 | +11,1 | −5 | 0 | | | |
| Jul. 9 | +2,634 | +31,3 | +20,73 | + 7,8 | −5 | +1 | | | |
| 19 | +2,933 | +28,1 | +21,33 | + 4,4 | −4 | +1 | | | |
| 29 | +3,196 | +24,3 | +21,60 | + 1,0 | −4 | +2 | | | |
| Aug. 8 | +3,419 | +20,0 | +21,52 | − 2,5 | −4 | +3 | | | |
| 18 | +3,595 | +15,2 | +21,11 | − 5,7 | −3 | +3 | | | |
| 28 | +3,723 | +10,3 | +20,39 | − 8,4 | −3 | +3 | | | |
| Sept. 7 | +3,800 | + 5,3 | +19,43 | −10,7 | −2 | +4 | | | |
| 17 | +3,828 | + 0,6 | +18,26 | −12,4 | −2 | +4 | | | |
| 27 | +3,811 | − 3,8 | +16,95 | −13,6 | −1 | +4 | | | |
| Oct. 7 | +3,753 | − 7,6 | +15,55 | −14,0 | 0 | +4 | | | |
| 17 | +3,660 | −10,6 | +14,15 | −13,8 | 0 | +4 | | | |
| 27 | +3,541 | −12,9 | +12,80 | −13,0 | +1 | +4 | | | |
| Nov. 6 | +3,402 | −14,4 | +11,56 | −11,5 | +1 | +4 | | | |
| 16 | +3,253 | −15,0 | +10,50 | − 9,5 | +2 | +4 | | | |
| 26 | +3,102 | −15,0 | + 9,66 | − 7,2 | +2 | +3 | | | |
| Dec. 6 | +2,954 | −14,3 | + 9,06 | − 4,8 | +2 | +3 | | | |
| 16 | +2,817 | −13,0 | + 8,74 | − 1,9 | +2 | +2 | | | |
| 26 | +2,695 | −11,2 | + 8,69 | + 1,0 | +2 | +2 | | | |
| 36 | +2,593 | − 9,1 | + 8,93 | + 3,8 | +2 | +1 | | | |

Diei reducto addendum est:

ante } Febr. 28 { 0
post } Febr. 28 { +1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Pegasi.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 22h 54′ 19″,498 | + 14° 4′ 48″,30 | 1800 | Jan. 0 | 22h 54′ 47″,805 | + 14° 7′ 48″,57 |
| | Apr. 10 | 19,441 | 48,04 | | Apr. 10 | 47,877 | 48,96 |
| | Jul. 19 | 19,378 | 47,73 | | Jul. 19 | 47,952 | 49,39 |
| | Oct. 27 | 19,309 | 47,36 | | Oct. 27 | 48,032 | 49,85 |
| | Dec. 66 | 19,233 | 46,95 | | Dec. 66 | 48,116 | 50,36 |
| 1791 | Jan. 0 | 22 54 22,239 | + 14 5 6,31 | 1801 | Jan. 0 | 22 54 51,067 | + 14 8 9,42 |
| | Apr. 10 | 22,159 | 5,87 | | Apr. 10 | 51,153 | 9,94 |
| | Jul. 19 | 22,076 | 5,38 | | Jul. 19 | 51,240 | 10,49 |
| | Oct. 27 | 21,989 | 4,86 | | Oct. 27 | 51,329 | 11,06 |
| | Dec. 66 | 21,898 | 4,30 | | Dec. 66 | 51,420 | 11,66 |
| 1792 | Jan. 1 | 22 54 24,908 | + 14 5 23,71 | 1802 | Jan. 0 | 22 54 54,369 | + 14 8 30,70 |
| | Apr. 10 | 24,815 | 23,13 | | Apr. 10 | 54,460 | 31,31 |
| | Jul. 19 | 24,722 | 22,53 | | Jul. 19 | 54,550 | 31,92 |
| | Oct. 27 | 24,628 | 21,91 | | Oct. 27 | 54,638 | 32,54 |
| | Dec. 66 | 24,533 | 21,26 | | Dec. 66 | 54,726 | 33,16 |
| 1793 | Jan. 0 | 22 54 27,544 | + 14 5 40,71 | 1803 | Jan. 0 | 22 54 57,677 | + 14 8 52,19 |
| | Apr. 10 | 27,449 | 40,06 | | Apr. 10 | 57,760 | 52,81 |
| | Jul. 19 | 27,357 | 39,41 | | Jul. 19 | 57,847 | 53,42 |
| | Oct. 27 | 27,267 | 38,77 | | Oct. 27 | 57,922 | 54,02 |
| | Dec. 66 | 27,179 | 38,13 | | Dec. 66 | 58,002 | 54,61 |
| 1794 | Jan. 0 | 22 54 30,188 | + 14 5 57,57 | 1804 | Jan. 1 | 22 55 0,957 | + 14 9 13,65 |
| | Apr. 10 | 30,102 | 56,93 | | Apr. 10 | 1,029 | 14,22 |
| | Jul. 19 | 30,022 | 56,32 | | Jul. 19 | 1,096 | 14,76 |
| | Oct. 27 | 29,947 | 55,73 | | Oct. 27 | 1,157 | 15,28 |
| | Dec. 66 | 29,877 | 55,16 | | Dec. 66 | 1,213 | 15,76 |
| 1795 | Jan. 0 | 22 54 32,879 | + 14 6 14,58 | 1805 | Jan. 0 | 22 55 4,175 | + 14 9 34,84 |
| | Apr. 10 | 32,813 | 14,03 | | Apr. 10 | 4,226 | 35,30 |
| | Jul. 19 | 32,754 | 13,53 | | Jul. 19 | 4,269 | 35,72 |
| | Oct. 27 | 32,702 | 13,06 | | Oct. 27 | 4,305 | 36,09 |
| | Dec. 66 | 32,658 | 12,63 | | Dec. 66 | 4,333 | 36,41 |
| 1796 | Jan. 1 | 22 54 35,652 | + 14 6 32,00 | 1806 | Jan. 0 | 22 55 7,305 | + 14 9 55,55 |
| | Apr. 10 | 35,612 | 31,60 | | Apr. 10 | 7,328 | 55,85 |
| | Jul. 19 | 35,581 | 31,26 | | Jul. 19 | 7,342 | 56,08 |
| | Oct. 27 | 35,559 | 30,96 | | Oct. 27 | 7,348 | 56,26 |
| | Dec. 66 | 35,544 | 30,72 | | Dec. 66 | 7,345 | 56,39 |
| 1797 | Jan. 0 | 22 54 38,528 | + 14 6 50,03 | 1807 | Jan. 0 | 22 55 10,327 | + 14 10 15,60 |
| | Apr. 10 | 38,519 | 49,82 | | Apr. 10 | 10,318 | 15,69 |
| | Jul. 19 | 38,518 | 49,68 | | Jul. 19 | 10,301 | 15,71 |
| | Oct. 27 | 38,526 | 49,59 | | Oct. 27 | 10,276 | 15,68 |
| | Dec. 66 | 38,543 | 49,55 | | Dec. 66 | 10,242 | 15,59 |
| 1798 | Jan. 0 | 22 54 41,516 | + 14 7 8,79 | 1808 | Jan. 1 | 22 55 13,235 | + 14 10 34,87 |
| | Apr. 10 | 41,538 | 8,80 | | Apr. 10 | 13,195 | 34,74 |
| | Jul. 19 | 41,568 | 8,86 | | Jul. 19 | 13,148 | 34,55 |
| | Oct. 27 | 41,605 | 8,98 | | Oct. 27 | 13,094 | 34,30 |
| | Dec. 66 | 41,650 | 9,15 | | Dec. 66 | 13,032 | 34,00 |
| 1799 | Jan. 0 | 22 54 44,614 | + 14 7 28,32 | 1809 | Jan. 0 | 22 55 16,033 | + 14 10 53,35 |
| | Apr. 10 | 44,664 | 28,53 | | Apr. 10 | 15,967 | 53,01 |
| | Jul. 19 | 44,719 | 28,79 | | Jul. 19 | 15,895 | 52,63 |
| | Oct. 27 | 44,781 | 29,10 | | Oct. 27 | 15,818 | 52,19 |
| | Dec. 66 | 44,849 | 29,46 | | Dec. 66 | 15,736 | 51,71 |

## Tabulae X. Sect. III. *α Pegasi.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,564 | − 9,5 | + 3,40 | −10,6 | +3 | +2 |
| 10 | −0,651 | − 7,9 | + 2,28 | −11,7 | +2 | +2 |
| 20 | −0,721 | − 6,0 | + 1,06 | −12,5 | +2 | +2 |
| 30 | −0,770 | − 3,7 | − 0,21 | −12,6 | +2 | +2 |
| Febr. 9 | −0,794 | − 1,0 | − 1,46 | −12,2 | +1 | +2 |
| 19 | −0,790 | + 2,0 | − 2,64 | −11,1 | +1 | +2 |
| Mart. 1 | −0,755 | + 5,3 | − 3,68 | − 9,4 | 0 | +2 |
| 11 | −0,685 | + 8,8 | − 4,52 | − 7,2 | −1 | +1 |
| 21 | −0,580 | +12,4 | − 5,11 | − 4,5 | −1 | +1 |
| 31 | −0,437 | +16,2 | − 5,41 | − 1,3 | −1 | +1 |
| Apr. 10 | −0,257 | +19,8 | − 5,37 | + 2,2 | −2 | 0 |
| 20 | −0,042 | +23,2 | − 4,98 | + 5,6 | −2 | 0 |
| 30 | +0,207 | +26,2 | − 4,25 | + 9,1 | −2 | 0 |
| Maj. 10 | +0,482 | +28,7 | − 3,16 | +12,5 | −3 | −1 |
| 20 | +0,780 | +30,5 | − 1,76 | +15,4 | −3 | −1 |
| 30 | +1,091 | +31,6 | − 0,08 | +18,1 | −3 | −1 |
| Jun. 9 | +1,411 | +31,9 | + 1,85 | +20,2 | −3 | −1 |
| 19 | +1,728 | +31,3 | + 3,95 | +21,7 | −2 | −2 |
| 29 | +2,036 | +29,9 | + 6,18 | +22,6 | −2 | −2 |
| Jul. 9 | +2,325 | +27,7 | + 8,47 | +23,0 | −2 | −2 |
| 19 | +2,589 | +24,8 | +10,77 | +22,8 | −2 | −1 |
| 29 | +2,821 | +21,4 | +13,03 | +22,2 | −1 | −1 |
| Aug. 8 | +3,017 | +17,6 | +15,20 | +21,0 | −1 | −1 |
| 18 | +3,172 | +13,4 | +17,22 | +19,4 | 0 | −1 |
| 28 | +3,285 | + 9,2 | +19,07 | +17,5 | 0 | −1 |
| Sept. 7 | +3,355 | + 5,0 | +20,72 | +15,4 | +1 | 0 |
| 17 | +3,385 | + 1,1 | +22,15 | +13,1 | +1 | 0 |
| 27 | +3,377 | − 2,5 | +23,34 | +10,7 | +2 | 0 |
| Oct. 7 | +3,336 | − 5,5 | +24,29 | + 8,3 | +2 | +1 |
| 17 | +3,267 | − 8,0 | +24,99 | + 5,8 | +3 | +1 |
| 27 | +3,176 | −10,0 | +25,44 | + 3,3 | +3 | +2 |
| Nov. 6 | +3,068 | −11,3 | +25,64 | + 0,9 | +3 | +2 |
| 16 | +2,950 | −12,0 | +25,61 | − 1,5 | +3 | +2 |
| 26 | +2,828 | −12,3 | +25,34 | − 3,8 | +4 | +3 |
| Dec. 6 | +2,705 | −12,1 | +24,85 | − 5,9 | +4 | +3 |
| 16 | +2,587 | −11,4 | +24,16 | − 7,9 | +4 | +3 |
| 26 | +2,478 | −10,3 | +23,27 | − 9,7 | +3 | +3 |
| 36 | +2,381 | − 8,9 | +22,23 | −11,1 | +3 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 22 54 18,6641 | + 14 4 41,817 |
| 1791 | 54 21,6435 | 5 1,041 |
| 1792 | 54 24,6229 | 5 20,266 |
| 1793 | 54 27,6024 | 5 39,493 |
| 1794 | 54 30,5818 | 5 58,721 |
| 1795 | 54 33,5614 | 6 17,950 |
| 1796 | 54 36,5410 | 6 37,180 |
| 1797 | 54 39,5207 | 6 56,411 |
| 1798 | 54 42,5004 | 7 15,643 |
| 1799 | 54 45,4802 | 7 34,877 |
| 1800 | 54 48,4600 | 7 54,112 |
| 1801 | 54 51,4399 | 8 13,348 |
| 1802 | 54 54,4198 | 8 32,585 |
| 1803 | 54 57,3998 | 8 51,823 |
| 1804 | 55 0,3798 | 9 11,062 |
| 1805 | 55 3,3599 | 9 30,302 |
| 1806 | 55 6,3401 | 9 49,544 |
| 1807 | 55 9,3203 | 10 8,787 |
| 1808 | 55 12,3005 | 10 28,031 |
| 1809 | 55 15,2808 | 10 47,276 |
| 1810 | 55 18,2612 | 11 6,523 |

Diei reducto addendum est:

ante } Mart. 2 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. *α Andromedae.*

| | | | |
|---|---|---|---|
| 1790 | Jan. 0 | 23h 57′ 34″,877 | +27° 55′ 54″,39 |
| | Apr. 10 | 34,830 | 53,95 |
| | Jul. 19 | 34,775 | 53,48 |
| | Oct. 27 | 34,712 | 52,96 |
| | Dec. 66 | 34,642 | 52,41 |
| 1791 | Jan. 0 | 23 57 37,738 | +27 56 12,51 |
| | Apr. 10 | 37,663 | 11,94 |
| | Jul. 19 | 37,583 | 11,35 |
| | Oct. 27 | 37,497 | 10,75 |
| | Dec. 66 | 37,406 | 10,12 |
| 1792 | Jan. 1 | 23 57 40,509 | +27 56 30,24 |
| | Apr. 10 | 40,415 | 29,62 |
| | Jul. 19 | 40,319 | 29,00 |
| | Oct. 27 | 40,221 | 28,37 |
| | Dec. 66 | 40,120 | 27,73 |
| 1793 | Jan. 0 | 23 57 43,225 | +27 56 47,85 |
| | Apr. 10 | 43,124 | 47,23 |
| | Jul. 19 | 43,024 | 46,64 |
| | Oct. 27 | 42,925 | 46,07 |
| | Dec. 66 | 42,826 | 45,52 |
| 1794 | Jan. 0 | 23 57 45,931 | +27 57 5,61 |
| | Apr. 10 | 45,834 | 5,08 |
| | Jul. 19 | 45,742 | 4,59 |
| | Oct. 27 | 45,653 | 4,14 |
| | Dec. 66 | 45,569 | 3,74 |
| 1795 | Jan. 0 | 23 57 48,669 | +27 57 23,77 |
| | Apr. 10 | 48,588 | 23,40 |
| | Jul. 19 | 48,514 | 23,07 |
| | Oct. 27 | 48,447 | 22,80 |
| | Dec. 66 | 48,386 | 22,57 |
| 1796 | Jan. 1 | 23 57 51,478 | +27 57 42,55 |
| | Apr. 10 | 51,422 | 42,36 |
| | Jul. 19 | 51,375 | 42,23 |
| | Oct. 27 | 51,336 | 42,16 |
| | Dec. 66 | 51,306 | 42,15 |
| 1797 | Jan. 0 | 23 57 54,388 | +27 58 2,05 |
| | Apr. 10 | 54,363 | 2,07 |
| | Jul. 19 | 54,347 | 2,15 |
| | Oct. 27 | 54,340 | 2,29 |
| | Dec. 66 | 54,342 | 2,48 |
| 1798 | Jan. 0 | 23 57 57,414 | +27 58 22,31 |
| | Apr. 10 | 57,422 | 22,54 |
| | Jul. 19 | 57,439 | 22,81 |
| | Oct. 27 | 57,464 | 23,13 |
| | Dec. 66 | 57,498 | 23,49 |
| 1799 | Jan. 0 | 23 58 0,559 | +27 58 43,27 |
| | Apr. 10 | 0,598 | 43,67 |
| | Jul. 19 | 0,645 | 44,10 |
| | Oct. 27 | 0,698 | 44,57 |
| | Dec. 66 | 0,760 | 45,07 |
| 1800 | Jan. 0 | 23h 58′ 3″,812 | +27° 59′ 4″,80 |
| | Apr. 10 | 3,878 | 5,33 |
| | Jul. 19 | 3,949 | 5,87 |
| | Oct. 27 | 4,026 | 6,43 |
| | Dec. 66 | 4,109 | 7,02 |
| 1801 | Jan. 0 | 23 58 7,154 | +27 59 26,73 |
| | Apr. 10 | 7,239 | 27,32 |
| | Jul. 19 | 7,328 | 27,91 |
| | Oct. 27 | 7,419 | 28,51 |
| | Dec. 66 | 7,513 | 29,11 |
| 1802 | Jan. 0 | 23 58 10,555 | +27 59 48,82 |
| | Apr. 10 | 10,651 | 49,42 |
| | Jul. 19 | 10,747 | 50,00 |
| | Oct. 27 | 10,843 | 50,57 |
| | Dec. 66 | 10,939 | 51,13 |
| 1803 | Jan. 0 | 23 58 13,981 | +28 0 10,86 |
| | Apr. 10 | 14,077 | 11,40 |
| | Jul. 19 | 14,170 | 11,91 |
| | Oct. 27 | 14,261 | 12,39 |
| | Dec. 66 | 14,349 | 12,85 |
| 1804 | Jan. 1 | 23 58 17,394 | +28 0 32,61 |
| | Apr. 10 | 17,480 | 33,04 |
| | Jul. 19 | 17,561 | 33,42 |
| | Oct. 27 | 17,637 | 33,76 |
| | Dec. 66 | 17,707 | 34,06 |
| 1805 | Jan. 0 | 23 58 20,753 | +28 0 53,88 |
| | Apr. 10 | 20,825 | 54,14 |
| | Jul. 19 | 20,884 | 54,35 |
| | Oct. 27 | 20,936 | 54,51 |
| | Dec. 66 | 20,981 | 54,62 |
| 1806 | Jan. 0 | 23 58 24,040 | +28 1 14,50 |
| | Apr. 10 | 24,079 | 14,57 |
| | Jul. 19 | 24,110 | 14,58 |
| | Oct. 27 | 24,131 | 14,54 |
| | Dec. 66 | 24,144 | 14,44 |
| 1807 | Jan. 0 | 23 58 27,215 | +28 1 34,38 |
| | Apr. 10 | 27,221 | 34,24 |
| | Jul. 19 | 27,219 | 34,05 |
| | Oct. 27 | 27,207 | 33,80 |
| | Dec. 66 | 27,185 | 33,50 |
| 1808 | Jan. 1 | 23 58 30,268 | +28 1 53,51 |
| | Apr. 10 | 30,241 | 53,17 |
| | Jul. 19 | 30,205 | 52,79 |
| | Oct. 27 | 30,160 | 52,36 |
| | Dec. 66 | 30,106 | 51,89 |
| 1809 | Jan. 0 | 23 58 33,200 | +28 2 11,96 |
| | Apr. 10 | 33,141 | 11,47 |
| | Jul. 19 | 33,076 | 10,94 |
| | Oct. 27 | 33,004 | 10,38 |
| | Dec. 66 | 32,925 | 9,79 |

## Tabulae X. Sect. III. *α Andromedae.*

| | 1800 | | 1800 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,212 | —13,6 | + 8,28 | — 8,3 | +3 | +2 |
| 10 | —0,346 | —13,1 | + 7,31 | —11,0 | +3 | +2 |
| 20 | —0,473 | —12,1 | + 6,09 | —13,2 | +3 | +3 |
| 30 | —0,587 | —10,5 | + 4,68 | —14,8 | +2 | +3 |
| Febr. 9 | —0,682 | — 8,2 | + 3,14 | —15,8 | +2 | +3 |
| 19 | —0,751 | — 5,4 | + 1,53 | —16,1 | +1 | +3 |
| Mart. 1 | —0,790 | — 2,0 | — 0,08 | —15,7 | +1 | +3 |
| 11 | —0,791 | + 1,9 | — 1,61 | —14,5 | 0 | +3 |
| 21 | —0,752 | + 6,2 | — 2,98 | —12,5 | 0 | +2 |
| 31 | —0,668 | +10,7 | — 4,11 | — 9,9 | —1 | +2 |
| Apr. 10 | —0,538 | +15,3 | — 4,96 | — 6,8 | —1 | +2 |
| 20 | —0,363 | +19,7 | — 5,47 | — 3,2 | —2 | +1 |
| 30 | —0,144 | +23,9 | — 5,60 | + 0,6 | —2 | +1 |
| Maj. 10 | +0,114 | +27,5 | — 5,35 | + 4,6 | —2 | 0 |
| 20 | +0,405 | +30,4 | — 4,69 | + 8,5 | —3 | 0 |
| 30 | +0,722 | +32,6 | — 3,66 | +12,1 | —3 | —1 |
| Jun. 9 | +1,056 | +33,9 | — 2,27 | +15,5 | —3 | —1 |
| 19 | +1,399 | +34,3 | — 0,57 | +18,4 | —2 | —2 |
| 29 | +1,742 | +33,8 | + 1,41 | +20,9 | —2 | —2 |
| Jul. 9 | +2,074 | +32,4 | + 3,61 | +22,8 | —2 | —2 |
| 19 | +2,389 | +30,2 | + 5,97 | +24,1 | —2 | —3 |
| 29 | +2,678 | +27,4 | + 8,43 | +24,9 | —1 | —3 |
| Aug. 8 | +2,936 | +24,0 | +10,94 | +25,1 | —1 | —3 |
| 18 | +3,157 | +20,1 | +13,44 | +24,7 | 0 | —3 |
| 28 | +3,338 | +16,1 | +15,88 | +23,9 | 0 | —3 |
| Sept. 7 | +3,478 | +12,0 | +18,21 | +22,6 | +1 | —3 |
| 17 | +3,577 | + 7,9 | +20,40 | +21,0 | +2 | —2 |
| 27 | +3,635 | + 4,0 | +22,41 | +19,0 | +2 | —2 |
| Oct. 7 | +3,657 | + 0,5 | +24,20 | +16,8 | +3 | —2 |
| 17 | +3,644 | — 2,8 | +25,76 | +14,3 | +3 | —1 |
| 27 | +3,601 | — 5,6 | +27,06 | +11,7 | +4 | —1 |
| Nov. 6 | +3,532 | — 8,0 | +28,09 | + 8,8 | +4 | 0 |
| 16 | +3,441 | —10,0 | +28,81 | + 5,8 | +5 | 0 |
| 26 | +3,333 | —11,5 | +29,24 | + 2,8 | +5 | +1 |
| Dec. 6 | +3,212 | —12,6 | +29,36 | — 0,4 | +5 | +1 |
| 16 | +3,082 | —13,3 | +29,16 | — 3,6 | +5 | +1 |
| 26 | +2,946 | —13,6 | +28,65 | — 6,6 | +5 | +2 |
| 36 | +2,810 | —13,4 | +27,85 | — 9,4 | +5 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1790 | 23 57 33,9025 | +27 55 49,385 |
| 1791 | 57 36,9741 | 56 9,292 |
| 1792 | 57 40,0459 | 56 29,200 |
| 1793 | 57 43,1179 | 56 49,107 |
| 1794 | 57 46,1902 | 57 9,014 |
| 1795 | 57 49,2625 | 57 28,921 |
| 1796 | 57 52,3350 | 57 48,828 |
| 1797 | 57 55,4077 | 58 8,736 |
| 1798 | 57 58,4806 | 58 28,643 |
| 1799 | 58 1,5536 | 58 48,550 |
| 1800 | 58 4,6268 | 59 8,457 |
| 1801 | 58 7,7002 | 59 28,364 |
| 1802 | 58 10,7738 | 59 48,271 |
| 1803 | 58 13,8476 | 28 0 8,178 |
| 1804 | 58 16,9215 | 0 28,085 |
| 1805 | 58 19,9956 | 0 47,992 |
| 1806 | 58 23,0699 | 1 7,899 |
| 1807 | 58 26,1444 | 1 27,806 |
| 1808 | 58 29,2190 | 1 47,712 |
| 1809 | 58 32,2938 | 2 7,619 |
| 1810 | 58 35,3688 | 2 27,526 |

Diei reducto addendum est:

ante } Mart. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. III. α *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1790 | Jan. 0 | 0 50 34,81 | + 0,96 | 88 11 12,26 | − 0,57 | 406 | 226 |
| | Apr. 10 | 35,77 | + 0,81 | 11,69 | − 0,59 | | |
| | Jul. 19 | 36,58 | + 0,66 | 11,10 | − 0,61 | | |
| | Oct. 27 | 37,24 | + 0,51 | 10,49 | − 0,63 | | |
| | Dec. 66 | 37,75 | | 9,86 | | | |
| 1791 | Jan. 0 | 0 50 49,98 | + 0,40 | 88 11 29,66 | − 0,64 | 352 | 595 |
| | Apr. 10 | 50,38 | + 0,22 | 29,02 | − 0,64 | | |
| | Jul. 19 | 50,62 | + 0,07 | 28,38 | − 0,64 | | |
| | Oct. 27 | 50,69 | − 0,10 | 27,74 | − 0,64 | | |
| | Dec. 66 | 50,59 | | 27,10 | | | |
| 1792 | Jan. 1 | 0 51 3,09 | − 0,21 | 88 11 46,89 | − 0,64 | 298 | 963 |
| | Apr. 10 | 2,88 | − 0,38 | 46,25 | − 0,61 | | |
| | Jul. 19 | 2,50 | − 0,54 | 45,64 | − 0,59 | | |
| | Oct. 27 | 1,96 | − 0,70 | 45,05 | − 0,58 | | |
| | Dec. 66 | 1,26 | | 44,47 | | | |
| 1793 | Jan. 0 | 0 51 14,03 | − 0,80 | 88 12 4,23 | − 0,55 | 244 | 331 |
| | Apr. 10 | 13,23 | − 0,94 | 3,68 | − 0,52 | | |
| | Jul. 19 | 12,29 | − 1,08 | 3,16 | − 0,48 | | |
| | Oct. 27 | 11,21 | − 1,21 | 2,68 | − 0,43 | | |
| | Dec. 66 | 10,00 | | 2,25 | | | |
| 1794 | Jan. 0 | 0 51 23,00 | − 1,30 | 88 12 21,96 | − 0,41 | 191 | 699 |
| | Apr. 10 | 21,70 | − 1,39 | 21,55 | − 0,35 | | |
| | Jul. 19 | 20,31 | − 1,49 | 21,20 | − 0,30 | | |
| | Oct. 27 | 18,82 | − 1,59 | 20,90 | − 0,25 | | |
| | Dec. 66 | 17,23 | | 20,65 | | | |
| 1795 | Jan. 0 | 0 51 30,41 | − 1,64 | 88 12 40,29 | − 0,21 | 137 | 068 |
| | Apr. 10 | 28,77 | − 1,68 | 40,08 | − 0,15 | | |
| | Jul. 19 | 27,09 | − 1,73 | 39,93 | − 0,09 | | |
| | Oct. 27 | 25,36 | − 1,77 | 39,84 | − 0,05 | | |
| | Dec. 66 | 23,59 | | 39,79 | | | |
| 1796 | Jan. 1 | 0 51 36,90 | − 1,80 | 88 12 59,36 | + 0,01 | 083 | 436 |
| | Apr. 10 | 35,10 | − 1,78 | 59,37 | + 0,06 | | |
| | Jul. 19 | 33,32 | − 1,76 | 59,43 | + 0,12 | | |
| | Oct. 27 | 31,56 | − 1,73 | 59,55 | + 0,18 | | |
| | Dec. 66 | 29,83 | | 59,73 | | | |
| 1797 | Jan. 0 | 0 51 43,19 | − 1,72 | 88 13 19,22 | + 0,21 | 029 | 804 |
| | Apr. 10 | 41,47 | − 1,67 | 19,43 | + 0,27 | | |
| | Jul. 19 | 39,80 | − 1,59 | 19,70 | + 0,31 | | |
| | Oct. 27 | 38,21 | − 1,54 | 20,01 | + 0,37 | | |
| | Dec. 66 | 36,67 | | 20,38 | | | |
| 1798 | Jan. 0 | 0 51 50,03 | − 1,48 | 88 13 39,80 | + 0,40 | 976 | 172 |
| | Apr. 10 | 48,55 | − 1,36 | 40,20 | + 0,43 | | |
| | Jul. 19 | 47,19 | − 1,26 | 40,63 | + 0,48 | | |
| | Oct. 27 | 45,93 | − 1,15 | 41,11 | + 0,51 | | |
| | Dec. 66 | 44,78 | | 41,62 | | | |
| 1799 | Jan. 0 | 0 51 58,07 | − 1,06 | 88 14 0,99 | + 0,53 | 922 | 541 |
| | Apr. 10 | 57,01 | − 0,93 | 1,52 | + 0,55 | | |
| | Jul. 19 | 56,08 | − 0,78 | 2,07 | + 0,58 | | |
| | Oct. 27 | 55,30 | − 0,65 | 2,65 | + 0,60 | | |
| | Dec. 66 | 54,65 | | 3,25 | | | |

## Tabulae X. Sect. III. α *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1800 | Jan. 0 | 0 52 7,84 | − 0,54 | 88 14 22,59 | + 0,60 | 868 | 909 |
| | Apr. 10 | 7,30 | − 0,39 | 23,19 | + 0,61 | | |
| | Jul. 19 | 6,91 | − 0,23 | 23,80 | + 0,62 | | |
| | Oct. 27 | 6,68 | − 0,07 | 24.42 | + 0,61 | | |
| | Dec. 66 | 6,61 | | 25,03 | | | |
| 1801 | Jan. 0 | 0 52 19,68 | + 0,03 | 88 14 44,37 | + 0,61 | 815 | 277 |
| | Apr. 10 | 19,71 | + 0,20 | 44,98 | + 0,60 | | |
| | Jul. 19 | 19,91 | + 0,35 | 45,58 | + 0,59 | | |
| | Oct. 27 | 20,26 | + 0,51 | 46,17 | + 0,57 | | |
| | Dec. 66 | 20,77 | | 46,74 | | | |
| 1802 | Jan. 0 | 0 52 33,71 | + 0,61 | 88 15 6,09 | + 0,56 | 761 | 646 |
| | Apr. 10 | 34,32 | + 0,76 | 6,65 | + 0,53 | | |
| | Jul. 19 | 35,08 | + 0,92 | 7,18 | + 0,50 | | |
| | Oct. 27 | 35,98 | + 1,04 | 7,68 | + 0,46 | | |
| | Dec. 66 | 37,02 | | 8,14 | | | |
| 1803 | Jan. 0 | 0 52 49,86 | + 1,13 | 88 15 27,52 | + 0,44 | 707 | 014 |
| | Apr. 10 | 50,99 | + 1,24 | 27,96 | + 0,40 | | |
| | Jul. 19 | 52,23 | + 1,36 | 28,36 | + 0,35 | | |
| | Oct. 27 | 53,59 | + 1,47 | 28,71 | + 0,32 | | |
| | Dec. 66 | 55,06 | | 29,03 | | | |
| 1804 | Jan. 1 | 0 53 7,33 | + 1,54 | 88 15 48,46 | + 0,27 | 653 | 382 |
| | Apr. 10 | 9,37 | + 1,60 | 48,73 | + 0,23 | | |
| | Jul. 19 | 10,97 | + 1,68 | 48,96 | + 0,17 | | |
| | Oct. 27 | 12,65 | + 1,75 | 49,13 | + 0,12 | | |
| | Dec. 66 | 14,40 | | 49,25 | | | |
| 1805 | Jan. 0 | 0 53 27,15 | + 1,78 | 88 16 8,74 | + 0,08 | 600 | 750 |
| | Apr. 10 | 28,93 | + 1,80 | 8,82 | + 0,03 | | |
| | Jul. 19 | 30,73 | + 1,81 | 8,85 | − 0,04 | | |
| | Oct. 27 | 32,54 | + 1,83 | 8,81 | − 0,09 | | |
| | Dec. 66 | 34,37 | | 8,72 | | | |
| 1806 | Jan. 0 | 0 53 47,18 | + 1,83 | 88 16 28,28 | − 0,13 | 546 | 119 |
| | Apr. 10 | 49,01 | + 1,78 | 28,15 | − 0,19 | | |
| | Jul. 19 | 50,79 | + 1,75 | 27,96 | − 0,24 | | |
| | Oct. 27 | 52,54 | + 1,71 | 27,72 | − 0,30 | | |
| | Dec. 66 | 54,25 | | 27,42 | | | |
| 1807 | Jan. 0 | 0 54 7,18 | + 1,67 | 88 16 47,04 | − 0,33 | 492 | 487 |
| | Apr. 10 | 8,85 | + 1,57 | 46,71 | − 0,38 | | |
| | Jul. 19 | 10,42 | + 1,48 | 46,33 | − 0,42 | | |
| | Oct. 27 | 11,90 | + 1,38 | 45,91 | − 0,48 | | |
| | Dec. 66 | 13,28 | | 45,43 | | | |
| 1808 | Jan. 1 | 0 54 26,41 | + 1,29 | 88 17 5,10 | − 0,50 | 438 | 855 |
| | Apr. 10 | 27,70 | + 1,17 | 4,60 | − 0,53 | | |
| | Jul. 19 | 28,87 | + 1,03 | 4,07 | − 0,56 | | |
| | Oct. 27 | 29,90 | + 0,89 | 3,51 | − 0,59 | | |
| | Dec. 66 | 30,79 | | 2,92 | | | |
| 1809 | Jan. 0 | 0 54 44,16 | + 0,78 | 88 17 22,62 | − 0,61 | 385 | 223 |
| | Apr. 10 | 44,94 | + 0,62 | 22,01 | − 0,62 | | |
| | Jul. 19 | 45,56 | + 0,44 | 21,39 | − 0,64 | | |
| | Oct. 27 | 46.00 | + 0,28 | 20,75 | − 0,65 | | |
| | Dec. 66 | 46,28 | | 20,10 | | | |

## Tabulae X. Sect. III. *α Ursae minoris.*

| | Corr. A. R. pro 1800 | | Variatio annua | | Corr. Decl. pro 1800 | | Variatio annua | | Mot. Arg. ☉+☊ | Mot. Arg. ☽ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | | |
| Jan. 0 | + 4,75 | −6,95 | +0,0564 | −206 | +20,11 | +0,54 | −0,0019 | +33 | 000 | 000 |
| 10 | − 2,20 | −6,97 | +0,0358 | −221 | +20,65 | −0,13 | +0,0014 | +32 | 026 | 365 |
| 20 | − 9,17 | −6,73 | +0,0137 | −227 | +20,52 | −0,76 | +0,0046 | +31 | 052 | 730 |
| 30 | −15,90 | −6,24 | −0,0090 | −224 | +19,76 | −1,38 | +0,0077 | +28 | 078 | 095 |
| Febr. 9 | −22,14 | −5,49 | −0,0314 | −211 | +18,38 | −1,91 | +0,0105 | +25 | 103 | 460 |
| 19 | −27,63 | −4,54 | −0,0525 | −190 | +16,47 | −2,38 | +0,0130 | +20 | 129 | 825 |
| Mart. 1 | −32,17 | −3,40 | −0,0715 | −164 | +14,09 | −2,73 | +0,0150 | +15 | 155 | 190 |
| 11 | −35,57 | −2,15 | −0,0879 | −129 | +11,36 | −2,97 | +0,0165 | +10 | 181 | 555 |
| 21 | −37,72 | −0,83 | −0,1008 | − 90 | + 8,39 | −3,08 | +0,0175 | + 3 | 207 | 920 |
| 31 | −38,55 | +0,52 | −0,1098 | − 48 | + 5,31 | −3,08 | +0,0178 | − 3 | 233 | 285 |
| Apr. 10 | −38,03 | +1,81 | −0,1146 | − 6 | + 2,23 | −2,94 | +0,0175 | − 8 | 258 | 650 |
| 20 | −36,22 | +3,04 | −0,1152 | + 37 | − 0,71 | −2,71 | +0,0167 | −14 | 284 | 015 |
| 30 | −33,18 | +4,12 | −0,1115 | + 76 | − 3,42 | −2,37 | +0,0153 | −19 | 310 | 380 |
| Maj. 10 | −29,06 | +5,07 | −0,1039 | +114 | − 5,79 | −1,96 | +0,0134 | −22 | 336 | 745 |
| 20 | −23,99 | +5,83 | −0,0925 | +146 | − 7,75 | −1,48 | +0,0112 | −26 | 362 | 110 |
| 30 | −18,16 | +6,42 | −0,0779 | +174 | − 9,23 | −0,96 | +0,0086 | −29 | 388 | 475 |
| Jun. 9 | −11,74 | +6,79 | −0,0605 | +197 | −10,19 | −0,42 | +0,0057 | −29 | 413 | 840 |
| 19 | − 4,95 | +6,99 | −0,0408 | +213 | −10,61 | +0,14 | +0,0028 | −31 | 439 | 205 |
| 29 | + 2,04 | +7,00 | −0,0195 | +226 | −10,47 | +0,69 | −0,0003 | −31 | 465 | 570 |
| Jul. 9 | + 9,04 | +6,85 | +0,0031 | +231 | − 9,78 | +1,22 | −0,0034 | −30 | 491 | 935 |
| 19 | +15,89 | +6,53 | +0,0262 | +233 | − 8,56 | +1,73 | −0,0064 | −30 | 517 | 300 |
| 29 | +22,42 | +6,08 | +0,0495 | +228 | − 6,83 | +2,19 | −0,0094 | −26 | 543 | 665 |
| Aug. 8 | +28,50 | +5,49 | +0,0723 | +219 | − 4,64 | +2,60 | −0,0120 | −25 | 568 | 030 |
| 18 | +33,99 | +4,80 | +0,0942 | +206 | − 2,04 | +2,97 | −0,0145 | −21 | 594 | 395 |
| 28 | +38,79 | +4,01 | +0,1148 | +189 | + 0,93 | +3,28 | −0,0166 | −18 | 620 | 760 |
| Sept. 7 | +42,80 | +3,13 | +0,1337 | +167 | + 4,21 | +3,51 | −0,0184 | −14 | 646 | 125 |
| 17 | +45,93 | +2,19 | +0,1504 | +143 | + 7,72 | +3,69 | −0,0198 | − 9 | 672 | 490 |
| 27 | +48,12 | +1,18 | +0,1647 | +114 | +11,41 | +3,78 | −0,0207 | − 5 | 698 | 855 |
| Oct. 7 | +49,30 | +0,14 | +0,1761 | + 82 | +15,19 | +3,81 | −0,0212 | − 1 | 723 | 220 |
| 17 | +49,44 | −0,94 | +0,1843 | + 48 | +19,00 | +3,74 | −0,0213 | + 5 | 749 | 585 |
| 27 | +48,50 | −2,01 | +0,1891 | + 12 | +22,74 | +3,60 | −0,0208 | +10 | 775 | 950 |
| Nov. 6 | +46,49 | −3,08 | +0,1903 | − 27 | +26,34 | +3,35 | −0,0198 | +15 | 801 | 315 |
| 16 | +43,41 | −4,08 | +0,1876 | − 64 | +29,69 | +3,03 | −0,0183 | +19 | 827 | 680 |
| 26 | +39,33 | −5,00 | +0,1812 | −102 | +32,72 | +2,61 | −0,0164 | +24 | 853 | 045 |
| Dec. 6 | +34,33 | −5,79 | +0,1710 | −138 | +35,33 | +2,11 | −0,0140 | +27 | 879 | 410 |
| 16 | +28,54 | −6,41 | +0,1572 | −168 | +37,44 | +1,55 | −0,0113 | +31 | 904 | 775 |
| 26 | +22,13 | −6,82 | +0,1404 | −195 | +38,99 | +0,94 | −0,0082 | +31 | 930 | 140 |
| 36 | +15,31 | | +0,1209 | | +39,93 | | −0,0051 | | 956 | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 3 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Oct. 7 { + 1,5 / + 2,5 }

## Tabulae X. Sect. III. *α Ursae minoris.*

| Motus Arg. | | |
|---|---|---|
| Dies | ☉+☊ | ☽ |
| 1 | 003 | 037 |
| 2 | 005 | 073 |
| 3 | 008 | 110 |
| 4 | 010 | 146 |
| 5 | 013 | 183 |
| 6 | 016 | 219 |
| 7 | 018 | 256 |
| 8 | 021 | 292 |
| 9 | 023 | 329 |
| 10 | 026 | 365 |

| Arg. ☉ + ☊ | | |
|---|---|---|
| Arg. | A. R. | Arg. |
| 000 | —0″,02 + | 500 |
| 010 | —0,02 + | 510 |
| 020 | —0,02 + | 520 |
| 030 | —0,01 + | 530 |
| 040 | —0,01 + | 540 |
| 050 | —0,01 + | 550 |
| 060 | 0,00 | 560 |
| 070 | 0,00 | 570 |
| 080 | 0,00 | 580 |
| 090 | +0,01 — | 590 |
| 100 | +0,01 — | 600 |
| 110 | +0,01 — | 610 |
| 120 | +0,02 — | 620 |
| 130 | +0,02 — | 630 |
| 140 | +0,02 — | 640 |
| 150 | +0,02 — | 650 |
| 160 | +0,03 — | 660 |
| 170 | +0,03 — | 670 |
| 180 | +0,03 — | 680 |
| 190 | +0,04 — | 690 |
| 200 | +0,04 — | 700 |
| 210 | +0,04 — | 710 |
| 220 | +0,04 — | 720 |
| 230 | +0,04 — | 730 |
| 240 | +0,05 — | 740 |
| 250 | +0,05 — | 750 |
| 260 | +0,05 — | 760 |
| 270 | +0,05 — | 770 |
| 280 | +0,05 — | 780 |
| 290 | +0,05 — | 790 |
| 300 | +0,05 — | 800 |
| 310 | +0,05 — | 810 |
| 320 | +0,05 — | 820 |
| 330 | +0,05 — | 830 |
| 340 | +0,05 — | 840 |
| 350 | +0,05 — | 850 |
| 360 | +0,05 — | 860 |
| 370 | +0,05 — | 870 |
| 380 | +0,05 — | 880 |
| 390 | +0,05 — | 890 |
| 400 | +0,05 — | 900 |
| 410 | +0,04 — | 910 |
| 420 | +0,04 — | 920 |
| 430 | +0,04 — | 930 |
| 440 | +0,04 — | 940 |
| 450 | +0,04 — | 950 |
| 460 | +0,03 — | 960 |
| 470 | +0,03 — | 970 |
| 480 | +0,03 — | 980 |
| 490 | +0,03 — | 990 |

| Arg. ☽ | | | |
|---|---|---|---|
| Arg. | Arg. | A. R. | Decl. |
| 000 | 500 | —0″,19 | +0″,02 |
| 010 | 510 | —0,19 | +0,01 |
| 020 | 520 | —0,19 | 0,00 |
| 030 | 530 | —0,19 | —0,01 |
| 040 | 540 | —0,19 | —0,02 |
| 050 | 550 | —0,18 | —0,03 |
| 060 | 560 | —0,17 | —0,04 |
| 070 | 570 | —0,16 | —0,05 |
| 080 | 580 | —0,14 | —0,06 |
| 090 | 590 | —0,13 | —0,06 |
| 100 | 600 | —0,11 | —0,07 |
| 110 | 610 | —0,09 | —0,07 |
| 120 | 620 | —0,06 | —0,08 |
| 130 | 630 | —0,04 | —0,08 |
| 140 | 640 | —0,02 | —0,08 |
| 150 | 650 | +0,01 | —0,08 |
| 160 | 660 | +0,03 | —0,08 |
| 170 | 670 | +0,06 | —0,08 |
| 180 | 680 | +0,08 | —0,07 |
| 190 | 690 | +0,10 | —0,07 |
| 200 | 700 | +0,12 | —0,06 |
| 210 | 710 | +0,14 | —0,06 |
| 220 | 720 | +0,15 | —0,05 |
| 230 | 730 | +0,17 | —0,04 |
| 240 | 740 | +0,18 | —0,03 |
| 250 | 750 | +0,19 | —0,02 |
| 260 | 760 | +0,19 | —0,01 |
| 270 | 770 | +0,19 | 0,00 |
| 280 | 780 | +0,19 | +0,01 |
| 290 | 790 | +0,19 | +0,02 |
| 300 | 800 | +0,18 | +0,03 |
| 310 | 810 | +0,17 | +0,04 |
| 320 | 820 | +0,16 | +0,05 |
| 330 | 830 | +0,14 | +0,06 |
| 340 | 840 | +0,13 | +0,06 |
| 350 | 850 | +0,11 | +0,07 |
| 360 | 860 | +0,09 | +0,07 |
| 370 | 870 | +0,06 | +0,08 |
| 380 | 880 | +0,04 | +0,08 |
| 390 | 890 | +0,02 | +0,08 |
| 400 | 900 | —0,01 | +0,08 |
| 410 | 910 | —0,03 | +0,08 |
| 420 | 920 | —0,06 | +0,08 |
| 430 | 930 | —0,08 | +0,07 |
| 440 | 940 | —0,10 | +0,07 |
| 450 | 950 | —0,12 | +0,06 |
| 460 | 960 | —0,14 | +0,06 |
| 470 | 970 | —0,15 | +0,05 |
| 480 | 980 | —0,17 | +0,04 |
| 490 | 990 | —0,18 | +0,03 |

## Tabulae X. Sect. III. *a Ursae minoris.*

| | A. R. med. | + | Decl. med. | + |
|---|---|---|---|---|
| | h ′ ″ | ″ | ° ′ ″ | ″ |
| 1790 | 0 50 19,136 | 12,380 | 88 11 8,772 | 19,581 |
| 1791 | 50 31,516 | 12,444 | 11 28,353 | 19,577 |
| 1792 | 50 43,960 | 12,511 | 11 47,930 | 19,573 |
| 1793 | 50 56,471 | 12,577 | 12 7,503 | 19,569 |
| 1794 | 51 9,048 | 12,644 | 12 27,072 | 19,565 |
| 1795 | 51 21,692 | 12,712 | 12 46,637 | 19,561 |
| 1796 | 51 34,404 | 12,780 | 13 6,198 | 19,556 |
| 1797 | 51 47,184 | 12,849 | 13 25,754 | 19,552 |
| 1798 | 52 0,033 | 12,918 | 13 45,306 | 19,547 |
| 1799 | 52 12,951 | 12,989 | 14 4,853 | 19,543 |
| 1800 | 52 25,940 | 13,060 | 14 24,396 | 19,539 |
| 1801 | 52 39,000 | 13,131 | 14 43,935 | 19,534 |
| 1802 | 52 52,131 | 13,203 | 15 3,469 | 19,530 |
| 1803 | 53 5,334 | 13,276 | 15 22,999 | 19,525 |
| 1804 | 53 18,610 | 13,350 | 15 42,524 | 19,520 |
| 1805 | 53 31,960 | 13,424 | 16 2,044 | 19,516 |
| 1806 | 53 45,384 | 13,499 | 16 21,560 | 19,511 |
| 1807 | 53 58,883 | 13,575 | 16 41,071 | 19,506 |
| 1808 | 54 12,458 | 13,651 | 17 0,577 | 19,501 |
| 1809 | 54 26,109 | 13,728 | 17 20,078 | 19,496 |
| 1810 | 54 39,837 | | 17 39,574 | |

# Tabulae X. Sectio quarta.

*Adscensiones rectae et Declinationes mediae et apparentes*
*Stellarum* 36 *fundamentalium atque* $\alpha$ *et* $\delta$
*Ursae minoris,*

ab Anno 1810 usque ad Annum 1830.

## Tabulae X. Sect. IV. γ *Pegasi.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1810 | Jan. 0 | 0 3 28,385 | +14 7 38,12 |
| | Apr. 10 | 28,296 | 37,52 |
| | Jul. 19 | 28,205 | 36,90 |
| | Oct. 27 | 28,111 | 36,28 |
| | Dec. 66 | 28,014 | 35,64 |
| 1811 | Jan. 0 | 0 3 31,125 | +14 7 55,88 |
| | Apr. 10 | 31,027 | 55,25 |
| | Jul. 19 | 30,929 | 54,63 |
| | Oct. 27 | 30,832 | 54,02 |
| | Dec. 66 | 30,735 | 53,43 |
| 1812 | Jan. 1 | 0 3 33,845 | +14 8 13,65 |
| | Apr. 10 | 33,750 | 13,07 |
| | Jul. 19 | 33,658 | 12,52 |
| | Oct. 27 | 33,569 | 12,00 |
| | Dec. 66 | 33,484 | 11,51 |
| 1813 | Jan. 0 | 0 3 36,590 | +14 8 31,70 |
| | Apr. 10 | 36,508 | 31,24 |
| | Jul. 19 | 36,432 | 30,83 |
| | Oct. 27 | 36,363 | 30,46 |
| | Dec. 66 | 36,300 | 30,13 |
| 1814 | Jan. 0 | 0 3 39,398 | +14 8 50,26 |
| | Apr. 10 | 39,340 | 49,97 |
| | Jul. 19 | 39,289 | 49,74 |
| | Oct. 27 | 39,247 | 49,56 |
| | Dec. 66 | 39,212 | 49,44 |
| 1815 | Jan. 0 | 0 3 42,300 | +14 9 9,50 |
| | Apr. 10 | 42,271 | 9,42 |
| | Jul. 19 | 42,251 | 9,40 |
| | Oct. 27 | 42,240 | 9,42 |
| | Dec. 66 | 42,237 | 9,50 |
| 1816 | Jan. 1 | 0 3 45,315 | +14 9 29,50 |
| | Apr. 10 | 45,318 | 29,62 |
| | Jul. 19 | 45,330 | 29,79 |
| | Oct. 27 | 45,350 | 30,02 |
| | Dec. 66 | 45,378 | 30,30 |
| 1817 | Jan. 0 | 0 3 48,446 | +14 9 50,23 |
| | Apr. 10 | 48,480 | 50,54 |
| | Jul. 19 | 48,522 | 50,90 |
| | Oct. 27 | 48,571 | 51,30 |
| | Dec. 66 | 48,627 | 51,74 |
| 1818 | Jan. 0 | 0 3 51,686 | +14 10 11,61 |
| | Apr. 10 | 51,747 | 12,08 |
| | Jul. 19 | 51,813 | 12,57 |
| | Oct. 27 | 51,885 | 13,09 |
| | Dec. 66 | 51,962 | 13,64 |
| 1819 | Jan. 0 | 0 3 55,014 | +14 10 33,48 |
| | Apr. 10 | 55,095 | 34,04 |
| | Jul. 19 | 55,179 | 34,62 |
| | Oct. 27 | 55,266 | 35,21 |
| | Dec. 66 | 55,355 | 35,81 |
| 1820 | Jan. 1 | 0 3 58,403 | +14 10 55,64 |
| | Apr. 10 | 58,495 | 56,24 |
| | Jul. 19 | 58,588 | 56,84 |
| | Oct. 27 | 58,681 | 57,43 |
| | Dec. 66 | 58,774 | 58,02 |
| 1821 | Jan. 0 | 0 4 1,822 | +14 11 17,86 |
| | Apr. 10 | 1,915 | 18,43 |
| | Jul. 19 | 2,006 | 18,99 |
| | Oct. 27 | 2,095 | 19,53 |
| | Dec. 66 | 2,183 | 20,04 |
| 1822 | Jan. 0 | 0 4 5,232 | +14 11 39,90 |
| | Apr. 10 | 5,317 | 40,39 |
| | Jul. 19 | 5,398 | 40,85 |
| | Oct. 27 | 5,474 | 41,27 |
| | Dec. 66 | 5,545 | 41,65 |
| 1823 | Jan. 0 | 0 4 8,600 | +14 12 1,56 |
| | Apr. 10 | 8,667 | 1,92 |
| | Jul. 19 | 8,729 | 2,22 |
| | Oct. 27 | 8,783 | 2,48 |
| | Dec. 66 | 8,830 | 2,69 |
| 1824 | Jan. 1 | 0 4 11,894 | +14 12 22,65 |
| | Apr. 10 | 11,936 | 22,82 |
| | Jul. 19 | 11,970 | 22,94 |
| | Oct. 27 | 11,996 | 23,00 |
| | Dec. 66 | 12,013 | 23,01 |
| 1825 | Jan. 0 | 0 4 15,087 | +14 12 43,05 |
| | Apr. 10 | 15,098 | 43,02 |
| | Jul. 19 | 15,101 | 42,93 |
| | Oct. 27 | 15,094 | 42,79 |
| | Dec. 66 | 15,079 | 42,59 |
| 1826 | Jan. 0 | 0 4 18,165 | +14 13 2,68 |
| | Apr. 10 | 18,144 | 2,44 |
| | Jul. 19 | 18,114 | 2,15 |
| | Oct. 27 | 18,076 | 1,81 |
| | Dec. 66 | 18,029 | 1,42 |
| 1827 | Jan. 0 | 0 4 21,124 | +14 13 21,59 |
| | Apr. 10 | 21,072 | 21,17 |
| | Jul. 19 | 21,013 | 20,71 |
| | Oct. 27 | 20,947 | 20,21 |
| | Dec. 66 | 20,874 | 19,67 |
| 1828 | Jan. 1 | 0 4 23,978 | +14 13 39,88 |
| | Apr. 10 | 23,900 | 39,33 |
| | Jul. 19 | 23,818 | 38,75 |
| | Oct. 27 | 23,732 | 38,15 |
| | Dec. 66 | 23,641 | 37,53 |
| 1829 | Jan. 0 | 0 4 26,751 | +14 13 57,77 |
| | Apr. 10 | 26,657 | 57,14 |
| | Jul. 19 | 26,562 | 56,51 |
| | Oct. 27 | 26,466 | 55,88 |
| | Dec. 66 | 26,368 | 55,26 |

## Tabulae X. Sect. IV. γ *Pegasi.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,152 | −11,3 | + 3,77 | − 7,8 | +3 | +2 | 1810 | 0 3 27,8849 | + 14 7 35,929 |
| 10 | −0,265 | −11,0 | + 2,94 | − 8,9 | +3 | +2 | 1811 | 3 30,9625 | 7 55,959 |
| 20 | −0,372 | −10,2 | + 2,00 | − 9,7 | +3 | +2 | 1812 | 3 34,0402 | 8 15,989 |
| 30 | −0,469 | − 9,0 | + 1,00 | −10,2 | +2 | +2 | 1813 | 3 37,1180 | 8 36,018 |
| Febr. 9 | −0,551 | − 7,2 | − 0,03 | −10,2 | +2 | +2 | 1814 | 3 40,1959 | 8 56,047 |
| | | | | | | | 1815 | 3 43,2738 | 9 16,076 |
| 19 | −0,612 | − 4,9 | − 1,04 | − 9,7 | +2 | +2 | 1816 | 3 46,3519 | 9 36,105 |
| Mart. 1 | −0,648 | − 2,0 | − 1,97 | − 8,6 | +1 | +2 | 1817 | 3 49,4301 | 9 56,134 |
| 11 | −0,652 | + 1,4 | − 2,76 | − 7,0 | 0 | +2 | 1818 | 3 52,5084 | 10 16,163 |
| 21 | −0,621 | + 5,1 | − 3,37 | − 5,0 | 0 | +1 | 1819 | 3 55,5868 | 10 36,191 |
| 31 | −0,550 | + 9,2 | − 3,75 | − 2,4 | −1 | +1 | 1820 | 3 58,6652 | 10 56,220 |
| | | | | | | | 1821 | 4 1,7438 | 11 16,248 |
| Apr. 10 | −0,438 | +13,3 | − 3,85 | + 0,5 | −1 | +1 | 1822 | 4 4,8224 | 11 36,276 |
| 20 | −0,284 | +17,4 | − 3,65 | + 3,6 | −2 | 0 | 1823 | 4 7,9012 | 11 56,304 |
| 30 | −0,090 | +21,3 | − 3,14 | + 6,7 | −2 | 0 | 1824 | 4 10,9800 | 12 16,333 |
| Maj. 10 | +0,142 | +24,8 | − 2,31 | + 9,9 | −2 | −1 | 1825 | 4 14,0590 | 12 36,369 |
| 20 | +0,406 | +27,8 | − 1,17 | +12,8 | −2 | −1 | 1826 | 4 17,1381 | 12 56,388 |
| | | | | | | | 1827 | 4 20,2172 | 13 16,415 |
| 30 | +0,697 | +30,1 | + 0,25 | +15,5 | −2 | −1 | 1828 | 4 23,2965 | 13 36,443 |
| Jun. 9 | +1,007 | +31,5 | + 1,92 | +17,8 | −3 | −2 | 1829 | 4 26,3758 | 13 56,470 |
| 19 | +1,327 | +32,2 | + 3,80 | +19,5 | −2 | −2 | 1830 | 4 29,4552 | 14 16,497 |
| 29 | +1,650 | +32,0 | + 5,82 | +20,8 | −2 | −2 | | | |
| Jul. 9 | +1,966 | +30,9 | + 7,95 | +21,5 | −2 | −2 | | | |
| 19 | +2,268 | +29,2 | +10,12 | +21,7 | −2 | −2 | | | |
| 29 | +2,549 | +26,7 | +12,28 | +21,4 | −2 | −2 | | | |
| Aug. 8 | +2,801 | +23,6 | +14,39 | +20,5 | −1 | −2 | | | |
| 18 | +3,021 | +20,2 | +16,38 | +19,2 | −1 | −2 | | | |
| 28 | +3,204 | +16,4 | +18,23 | +17,7 | 0 | −2 | | | |
| Sept. 7 | +3,348 | +12,5 | +19,91 | +15,8 | 0 | −2 | | | |
| 17 | +3,454 | + 8,8 | +21,39 | +13,7 | +1 | −1 | | | |
| 27 | +3,523 | + 5,1 | +22,65 | +11,5 | +1 | −1 | | | |
| Oct. 7 | +3,556 | + 1,7 | +23,68 | + 9,2 | +2 | −1 | | | |
| 17 | +3,557 | − 1,4 | +24,49 | + 7,0 | +2 | 0 | | | |
| 27 | +3,529 | − 4,0 | +25,08 | + 4,8 | +3 | 0 | | | |
| Nov. 6 | +3,477 | − 6,2 | +25,44 | + 2,6 | +3 | 0 | | | |
| 16 | +3,405 | − 8,0 | +25,59 | + 0,5 | +4 | +1 | | | |
| 26 | +3,318 | − 9,3 | +25,54 | − 1,5 | +4 | +1 | | | |
| Dec. 6 | +3,219 | −10,4 | +25,29 | − 3,4 | +4 | +1 | | | |
| 16 | +3,110 | −11,1 | +24,86 | − 5,2 | +4 | +1 | | | |
| 26 | +2,998 | −11,4 | +24,25 | − 6,8 | +4 | +2 | | | |
| 36 | +2,883 | −11,5 | +23,50 | − 8,3 | +4 | +2 | | | |

Diei reducto addendum est:

ante } Mart. 21 { + 1
post } Mart. 21 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Arietis.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | h 1 56′ 29″,888 | +22° 33′ 26″,59 |
| | Apr. 10 | 29,793 | 25,94 |
| | Jul. 19 | 29,695 | 25,32 |
| | Oct. 27 | 29,593 | 24,73 |
| | Dec. 66 | 29,488 | 24,16 |
| 1811 | Jan. 0 | 1 56 32,877 | +22 33 41,72 |
| | Apr. 10 | 32,771 | 41,18 |
| | Jul. 19 | 32,664 | 40,69 |
| | Oct. 27 | 32,557 | 40,25 |
| | Dec. 66 | 32,451 | 39,85 |
| 1812 | Jan. 1 | 1 56 35,840 | +22 33 57,35 |
| | Apr. 10 | 35,734 | 56,99 |
| | Jul. 19 | 35,632 | 56,69 |
| | Oct. 27 | 35,533 | 56,45 |
| | Dec. 66 | 35,438 | 56,27 |
| 1813 | Jan. 0 | 1 56 38,824 | +22 34 13,69 |
| | Apr. 10 | 38,732 | 13,55 |
| | Jul. 19 | 38,646 | 13,48 |
| | Oct. 27 | 38,567 | 13,47 |
| | Dec. 66 | 38,494 | 13,52 |
| 1814 | Jan. 0 | 1 56 41,871 | +22 34 30,86 |
| | Apr. 10 | 41,803 | 30,96 |
| | Jul. 19 | 41,744 | 31,11 |
| | Oct. 27 | 41,693 | 31,33 |
| | Dec. 66 | 41,651 | 31,61 |
| 1815 | Jan. 0 | 1 56 45,018 | +22 34 48,87 |
| | Apr. 10 | 44,982 | 49,19 |
| | Jul. 19 | 44,955 | 49,55 |
| | Oct. 27 | 44,938 | 49,96 |
| | Dec. 66 | 44,930 | 50,43 |
| 1816 | Jan. 1 | 1 56 48,286 | +22 35 7,63 |
| | Apr. 10 | 48,284 | 8,12 |
| | Jul. 19 | 48,292 | 8,65 |
| | Oct. 27 | 48,309 | 9,21 |
| | Dec. 66 | 48,336 | 9,81 |
| 1817 | Jan. 0 | 1 56 51,681 | +22 35 26,97 |
| | Apr. 10 | 51,714 | 27,58 |
| | Jul. 19 | 51,755 | 28,21 |
| | Oct. 27 | 51,804 | 28,85 |
| | Dec. 66 | 51,862 | 29,51 |
| 1818 | Jan. 0 | 1 56 55,197 | +22 35 46,64 |
| | Apr. 10 | 55,260 | 47,31 |
| | Jul. 19 | 55,329 | 47,97 |
| | Oct. 27 | 55,404 | 48,62 |
| | Dec. 66 | 55,486 | 49,27 |
| 1819 | Jan. 0 | 1 56 58,814 | +22 36 6,41 |
| | Apr. 10 | 58,898 | 7,05 |
| | Jul. 19 | 58,989 | 7,67 |
| | Oct. 27 | 59,082 | 8,26 |
| | Dec. 66 | 59,180 | 8,83 |
| 1820 | Jan. 1 | 1 57′ 2″,502 | +22° 36′ 26″,00 |
| | Apr. 10 | 2,601 | 26,55 |
| | Jul. 19 | 2,702 | 27,06 |
| | Oct. 27 | 2,803 | 27,53 |
| | Dec. 66 | 2,906 | 27,97 |
| 1821 | Jan. 0 | 1 57 6,228 | +22 36 45,18 |
| | Apr. 10 | 6,330 | 45,58 |
| | Jul. 19 | 6,431 | 45,94 |
| | Oct. 27 | 6,530 | 46,24 |
| | Dec. 66 | 6,627 | 46,49 |
| 1822 | Jan. 0 | 1 57 9,951 | +22 37 3,76 |
| | Apr. 10 | 10,046 | 3,97 |
| | Jul. 19 | 10,136 | 4,12 |
| | Oct. 27 | 10,222 | 4,22 |
| | Dec. 66 | 10,303 | 4,26 |
| 1823 | Jan. 0 | 1 57 13,633 | +22 37 21,60 |
| | Apr. 10 | 13,710 | 21,59 |
| | Jul. 19 | 13,780 | 21,53 |
| | Oct. 27 | 13,843 | 21,41 |
| | Dec. 66 | 13,899 | 21,23 |
| 1824 | Jan. 1 | 1 57 17,237 | +22 37 38,64 |
| | Apr. 10 | 17,287 | 38,41 |
| | Jul. 19 | 17,329 | 38,14 |
| | Oct. 27 | 17,362 | 37,81 |
| | Dec. 66 | 17,386 | 37,43 |
| 1825 | Jan. 0 | 1 57 20,735 | +22 37 54,90 |
| | Apr. 10 | 20,752 | 54,47 |
| | Jul. 19 | 20,760 | 54,00 |
| | Oct. 27 | 20,758 | 53,49 |
| | Dec. 66 | 20,746 | 52,94 |
| 1826 | Jan. 0 | 1 57 24,108 | +22 38 10,47 |
| | Apr. 10 | 24,089 | 9,89 |
| | Jul. 19 | 24,061 | 9,29 |
| | Oct. 27 | 24,024 | 8,66 |
| | Dec. 66 | 23,977 | 8,00 |
| 1827 | Jan. 0 | 1 57 27,351 | +22 38 25,55 |
| | Apr. 10 | 27,298 | 24,88 |
| | Jul. 19 | 27,237 | 24,21 |
| | Oct. 27 | 27,168 | 23,53 |
| | Dec. 66 | 27,091 | 22,84 |
| 1828 | Jan. 1 | 1 57 30,475 | +22 38 40,40 |
| | Apr. 10 | 30,393 | 39,72 |
| | Jul. 19 | 30,306 | 39,05 |
| | Oct. 27 | 30,214 | 38,40 |
| | Dec. 66 | 30,116 | 37,77 |
| 1829 | Jan. 0 | 1 57 33,506 | +22 38 55,31 |
| | Apr. 10 | 33,406 | 54,69 |
| | Jul. 19 | 33,303 | 54,11 |
| | Oct. 27 | 33,198 | 53,57 |
| | Dec. 66 | 33,091 | 53,07 |

## Tabulae X. Sect. IV. *α Arietis.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,552 | −10,5 | + 5,91 | − 2,3 | +4 | +1 | 1810 | 1 56 29,2935 | +22 33 28,703 |
| 10 | +0,436 | −12,4 | + 5,60 | − 4,0 | +4 | +1 | 1811 | 56 32,6471 | 33 46,076 |
| 20 | +0,304 | −13,8 | + 5,12 | − 5,6 | +4 | +1 | 1812 | 56 36,0009 | 34 3,446 |
| 30 | +0,160 | −14,6 | + 4,49 | − 7,0 | +4 | +2 | 1813 | 56 39,3549 | 34 20,813 |
| Febr. 9 | +0,012 | −14,7 | + 3,72 | − 8,2 | +3 | +2 | 1814 | 56 42,7091 | 34 38,179 |
| | | | | | | | 1815 | 56 46,0636 | 34 55,542 |
| 19 | −0,133 | −13,9 | + 2,86 | − 8,9 | +3 | +2 | 1816 | 56 49,4182 | 35 12,902 |
| Mart. 1 | −0,265 | −12,1 | + 1,94 | − 9,3 | +3 | +2 | 1817 | 56 52,7730 | 35 30,260 |
| 11 | −0,375 | − 9,6 | + 1,00 | − 9,2 | +2 | +2 | 1818 | 56 56,1280 | 35 47,616 |
| 21 | −0,456 | − 6,2 | + 0,11 | − 8,5 | +2 | +2 | 1819 | 56 59,4832 | 36 4,969 |
| 31 | −0,499 | − 2,2 | − 0,70 | − 7,4 | +1 | +2 | 1820 | 57 2,8388 | 36 22,320 |
| | | | | | | | 1821 | 57 6,1945 | 36 39,669 |
| Apr. 10 | −0,499 | + 2,4 | − 1,36 | − 5,7 | 0 | +2 | 1822 | 57 9,5504 | 36 57,015 |
| 20 | −0,452 | + 7,1 | − 1,84 | − 3,7 | 0 | +1 | 1823 | 57 12,9065 | 37 14,358 |
| 30 | −0,357 | +12,0 | − 2,09 | − 1,2 | −1 | +1 | 1824 | 57 16,2628 | 37 31,700 |
| Maj. 10 | −0,212 | +16,8 | − 2,08 | + 1,5 | −1 | 0 | 1825 | 57 19,6190 | 37 49,039 |
| 20 | −0,022 | +21,2 | − 1,80 | + 4,2 | −1 | 0 | 1826 | 57 22,9757 | 38 6,375 |
| | | | | | | | 1827 | 57 26,3326 | 38 23,709 |
| 30 | +0,211 | +25,1 | − 1,24 | + 7,0 | −2 | −1 | 1828 | 57 29,6897 | 38 41,041 |
| Jun. 9 | +0,480 | +28,3 | − 0,40 | + 9,7 | −2 | −1 | 1829 | 57 33,0470 | 38 58,370 |
| 19 | +0,777 | +30,9 | + 0,69 | +12,1 | −2 | −2 | 1830 | 57 36,4043 | 39 15,697 |
| 29 | +1,097 | +32,4 | + 2,01 | +14,2 | −2 | −2 | | | |
| Jul. 9 | +1,425 | +33,2 | + 3,52 | +15,9 | −2 | −2 | | | |
| 19 | +1,760 | +33,3 | + 5,18 | +17,1 | −2 | −3 | | | |
| 29 | +2,090 | +32,4 | + 6,94 | +18,0 | −2 | −3 | | | |
| Aug. 8 | +2,408 | +31,0 | + 8,77 | +18,3 | −2 | −4 | | | |
| 18 | +2,709 | +28,9 | +10,60 | +18,2 | −2 | −4 | | | |
| 28 | +2,986 | +26,4 | +12,41 | +17,7 | −1 | −4 | | | |
| Sept. 7 | +3,237 | +23,7 | +14,14 | +16,8 | −1 | −4 | | | |
| 17 | +3,459 | +20,6 | +15,77 | +15,7 | 0 | −4 | | | |
| 27 | +3,649 | +17,4 | +17,27 | +14,3 | 0 | −4 | | | |
| Oct. 7 | +3,807 | +14,2 | +18,63 | +12,8 | +1 | −4 | | | |
| 17 | +3,933 | +11,0 | +19,83 | +11,2 | +2 | −4 | | | |
| 27 | +4,027 | + 7,9 | +20,86 | + 9,4 | +2 | −4 | | | |
| Nov. 6 | +4,090 | + 4,8 | +21,71 | + 7,7 | +3 | −4 | | | |
| 16 | +4,123 | + 1,9 | +22,40 | + 6,0 | +4 | −3 | | | |
| 26 | +4,127 | − 1,1 | +22,90 | + 4,2 | +4 | −3 | | | |
| Dec. 6 | +4,101 | − 4,0 | +23,24 | + 2,5 | +5 | −3 | | | |
| 16 | +4,048 | − 6,6 | +23,39 | + 0,6 | +5 | −2 | | | |
| 26 | +3,969 | − 9,1 | +23,36 | − 1,2 | +5 | −2 | | | |
| 36 | +3,866 | −11,3 | +23,16 | − 2,9 | +6 | −2 | | | |

Diei reducto addendum est:

ante } Apr. 21 { + 1
post } Apr. 21 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Ceti.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 2 52 21,963 | + 3 20 8,49 | 1820 | Jan. 1 | 2 52 52,658 | + 3 22 43,18 |
| | Apr. 10 | 21,869 | 7,88 | | Apr. 10 | 52,752 | 43,66 |
| | Jul. 19 | 21,774 | 7,31 | | Jul. 19 | 52,846 | 44,08 |
| | Oct. 27 | 21,677 | 6,79 | | Oct. 27 | 52,939 | 44,45 |
| | Dec. 66 | 21,578 | 6,31 | | Dec. 66 | 53,032 | 44,77 |
| 1811 | Jan. 0 | 2 52 24,733 | + 3 20 20,98 | 1821 | Jan. 0 | 2 52 56,123 | + 3 22 59,16 |
| | Apr. 10 | 24,634 | 20,54 | | Apr. 10 | 56,215 | 59,44 |
| | Jul. 19 | 24,537 | 20,16 | | Jul. 19 | 56,304 | 59,65 |
| | Oct. 27 | 24,441 | 19,84 | | Oct. 27 | 56,390 | 59,81 |
| | Dec. 66 | 24,346 | 19,58 | | Dec. 66 | 56,472 | 59,90 |
| 1812 | Jan. 1 | 2 52 27,500 | + 3 20 34,18 | 1822 | Jan. 0 | 2 52 59,568 | + 3 23 14,36 |
| | Apr. 10 | 27,407 | 33,97 | | Apr. 10 | 59,648 | 14,41 |
| | Jul. 19 | 27,319 | 33,82 | | Jul. 19 | 59,722 | 14,40 |
| | Oct. 27 | 27,236 | 33,75 | | Oct. 27 | 59,791 | 14,32 |
| | Dec. 66 | 27,157 | 33,74 | | Dec. 66 | 59,854 | 14,18 |
| 1813 | Jan. 0 | 2 52 30,305 | + 3 20 48,25 | 1823 | Jan. 0 | 2 53 2,956 | + 3 23 28,72 |
| | Apr. 10 | 30,230 | 48,28 | | Apr. 10 | 3,015 | 28,54 |
| | Jul. 19 | 30,161 | 48,38 | | Jul. 19 | 3,067 | 28,29 |
| | Oct. 27 | 30,100 | 48,56 | | Oct. 27 | 3,112 | 27,99 |
| | Dec. 66 | 30,046 | 48,81 | | Dec. 66 | 3,149 | 27,62 |
| 1814 | Jan. 0 | 2 52 33,185 | + 3 21 3,23 | 1824 | Jan. 1 | 2 53 6,260 | + 3 23 42,23 |
| | Apr. 10 | 33,136 | 3,51 | | Apr. 10 | 6,292 | 41,83 |
| | Jul. 19 | 33,096 | 3,85 | | Jul. 19 | 6,315 | 41,37 |
| | Oct. 27 | 33,064 | 4,25 | | Oct. 27 | 6,329 | 40,87 |
| | Dec. 66 | 33,040 | 4,71 | | Dec. 66 | 6,335 | 40,32 |
| 1815 | Jan. 0 | 2 52 36,169 | + 3 21 19,06 | 1825 | Jan. 0 | 2 53 9,457 | + 3 23 54,98 |
| | Apr. 10 | 36,152 | 19,55 | | Apr. 10 | 9,457 | 54,40 |
| | Jul. 19 | 36,143 | 20,08 | | Jul. 19 | 9,448 | 53,79 |
| | Oct. 27 | 36,143 | 20,65 | | Oct. 27 | 9,430 | 53,14 |
| | Dec. 66 | 36,151 | 21,27 | | Dec. 66 | 9,403 | 52,46 |
| 1816 | Jan. 1 | 2 52 39,270 | + 3 21 35,57 | 1826 | Jan. 0 | 2 53 12,537 | + 3 24 7,16 |
| | Apr. 10 | 39,285 | 36,21 | | Apr. 10 | 12,504 | 6,46 |
| | Jul. 19 | 39,308 | 36,87 | | Jul. 19 | 12,463 | 5,75 |
| | Oct. 27 | 39,339 | 37,55 | | Oct. 27 | 12,414 | 5,03 |
| | Dec. 66 | 39,379 | 38,25 | | Dec. 66 | 12,357 | 4,30 |
| 1817 | Jan. 0 | 2 52 42,487 | + 3 21 52,52 | 1827 | Jan. 0 | 2 53 15,500 | + 3 24 19,01 |
| | Apr. 10 | 42,532 | 53,23 | | Apr. 10 | 15,433 | 18,28 |
| | Jul. 19 | 42,584 | 53,94 | | Jul. 19 | 15,370 | 17,55 |
| | Oct. 27 | 42,643 | 54,65 | | Oct. 27 | 15,295 | 16,84 |
| | Dec. 66 | 42,708 | 55,36 | | Dec. 66 | 15,214 | 16,14 |
| 1818 | Jan. 0 | 2 52 45,808 | + 3 22 9,62 | 1828 | Jan. 1 | 2 53 18,365 | + 3 24 30,84 |
| | Apr. 10 | 45,877 | 10,33 | | Apr. 10 | 18,281 | 30,15 |
| | Jul. 19 | 45,951 | 11,01 | | Jul. 19 | 18,193 | 29,50 |
| | Oct. 27 | 46,030 | 11,67 | | Oct. 27 | 18,100 | 28,88 |
| | Dec. 66 | 46,114 | 12,32 | | Dec. 66 | 18,003 | 28,30 |
| 1819 | Jan. 0 | 2 52 49,208 | + 3 22 26,60 | 1829 | Jan. 0 | 2 53 21,161 | + 3 24 42,95 |
| | Apr. 10 | 49,294 | 27,22 | | Apr. 10 | 21,064 | 42,40 |
| | Jul. 19 | 49,383 | 27,81 | | Jul. 19 | 20,967 | 41,90 |
| | Oct. 27 | 49,474 | 28,35 | | Oct. 27 | 20,869 | 41,45 |
| | Dec. 66 | 49,567 | 28,86 | | Dec. 66 | 20,770 | 41,05 |

## Tabulae X. Sect. IV. *a Ceti.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,790 | — 7,2 | — 0,60 | — 7,3 | +3 | +1 |
| 10 | +0,705 | — 9,8 | — 1,31 | — 6,8 | +3 | +1 |
| 20 | +0,595 | —12,0 | — 1,96 | — 6,1 | +3 | +1 |
| 30 | +0,465 | —13,7 | — 2,53 | — 5,3 | +3 | +1 |
| Febr. 9 | +0,322 | —14,6 | — 3,01 | — 4,4 | +3 | +1 |
| 19 | +0,173 | —14,9 | — 3,40 | — 3,3 | +3 | +1 |
| Mart. 1 | +0,025 | —14,2 | — 3,66 | — 2,0 | +3 | +1 |
| 11 | —0,111 | —12,6 | — 3,79 | — 0,5 | +2 | +1 |
| 21 | —0,227 | —10,3 | — 3,76 | + 1,2 | +2 | +1 |
| 31 | —0,316 | — 7,1 | — 3,56 | + 2,9 | +2 | 0 |
| Apr. 10 | —0,369 | — 3,3 | — 3,18 | + 4,9 | +1 | 0 |
| 20 | —0,382 | + 1,0 | — 2,59 | + 6,9 | +1 | 0 |
| 30 | —0,350 | + 5,5 | — 1,80 | + 9,0 | 0 | —1 |
| Maj. 10 | —0,272 | +10,1 | — 0,79 | +11,1 | 0 | —1 |
| 20 | —0,149 | +14,5 | + 0,41 | +12,9 | —1 | —1 |
| 30 | +0,017 | +18,6 | + 1,79 | +14,7 | —1 | —2 |
| Jun. 9 | +0,223 | +22,3 | + 3,34 | +16,1 | —1 | —2 |
| 19 | +0,463 | +25,3 | + 5,00 | +17,0 | —2 | —2 |
| 29 | +0,729 | +27,7 | + 6,74 | +17,6 | —2 | —3 |
| Jul. 9 | +1,017 | +29,4 | + 8,52 | +17,7 | —2 | —3 |
| 19 | +1,317 | +30,3 | +10,28 | +17,3 | —2 | —3 |
| 29 | +1,622 | +30,6 | +11,98 | +16,4 | —2 | —3 |
| Aug. 8 | +1,928 | +30,1 | +13,56 | +15,0 | —2 | —3 |
| 18 | +2,223 | +28,9 | +14,97 | +13,1 | —2 | —3 |
| 28 | +2,506 | +27,5 | +16,18 | +11,0 | —2 | —3 |
| Sept. 7 | +2,772 | +25,5 | +17,16 | + 8,5 | —2 | —3 |
| 17 | +3,016 | +23,2 | +17,88 | + 6,0 | —1 | —3 |
| 27 | +3,236 | +20,7 | +18,35 | + 3,4 | —1 | —3 |
| Oct. 7 | +3,430 | +18,1 | +18,56 | + 0,9 | —1 | —3 |
| 17 | +3,597 | +15,4 | +18,53 | — 1,3 | 0 | —3 |
| 27 | +3,737 | +12,5 | +18,30 | — 3,4 | 0 | —3 |
| Nov. 6 | +3,847 | + 9,6 | +17,86 | — 5,1 | +1 | —3 |
| 16 | +3,928 | + 6,7 | +17,29 | — 6,2 | +2 | —3 |
| 26 | +3,980 | + 3,7 | +16,62 | — 7,1 | +2 | —3 |
| Dec. 6 | +4,001 | + 0,6 | +15,88 | — 7,6 | +3 | —2 |
| 16 | +3,992 | — 2,5 | +15,11 | — 7,7 | +3 | —2 |
| 26 | +3,952 | — 5,4 | +14,35 | — 7,5 | +3 | —2 |
| 36 | +3,884 | — 8,2 | +13,61 | — 7,1 | +4 | —2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 2 52 21,5759 | + 3 20 12,605 |
| 1811 | 52 24,6977 | 20 27,126 |
| 1812 | 52 27,8196 | 20 41,643 |
| 1813 | 52 30,9416 | 20 56,158 |
| 1814 | 52 34,0637 | 21 10,669 |
| 1815 | 52 37,1858 | 21 25,177 |
| 1816 | 52 40,3081 | 21 39,682 |
| 1817 | 52 43,4305 | 21 54,184 |
| 1818 | 52 46,5530 | 22 8,682 |
| 1819 | 52 49,6756 | 22 23,178 |
| 1820 | 52 52,7982 | 22 37,670 |
| 1821 | 52 55,9209 | 22 52,159 |
| 1822 | 52 59,0437 | 23 6,645 |
| 1823 | 53 2,1666 | 23 21,128 |
| 1824 | 53 5,2897 | 23 35,608 |
| 1825 | 53 8,4129 | 23 50,084 |
| 1826 | 53 11,5362 | 24 4,557 |
| 1827 | 53 14,6596 | 24 19,027 |
| 1828 | 53 17,7830 | 24 33,494 |
| 1829 | 53 20,9065 | 24 47,958 |
| 1830 | 53 24,0302 | 25 2,419 |

Diei reducto addendum est:

ante / post } Maj. 5 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 4 25 2,294 | + 16 6 51,51 | 1820 | Jan. 1 | 4 25 35,924 | + 16 8 24,96 |
| | Apr. 10 | 2,193 | 51,04 | | Apr. 10 | 36,026 | 25,25 |
| | Jul. 19 | 2,089 | 50,63 | | Jul. 19 | 36,129 | 25,47 |
| | Oct. 27 | 1,983 | 50,29 | | Oct. 27 | 36,231 | 25,62 |
| | Dec. 66 | 1,875 | 50,01 | | Dec. 66 | 36,334 | 25,71 |
| 1811 | Jan. 0 | 4 25 5,340 | + 16 6 57,99 | 1821 | Jan. 0 | 4 25 39,729 | + 16 8 33,54 |
| | Apr. 10 | 5,231 | 57,77 | | Apr. 10 | 39,830 | 33,58 |
| | Jul. 19 | 5,124 | 57,62 | | Jul. 19 | 39,929 | 33,55 |
| | Oct. 27 | 5,018 | 57,54 | | Oct. 27 | 40,024 | 33,44 |
| | Dec. 66 | 4,913 | 57,54 | | Dec. 66 | 40,117 | 33,27 |
| 1812 | Jan. 1 | 4 25 8,376 | + 16 7 5,43 | 1822 | Jan. 0 | 4 25 43,516 | + 16 8 41,19 |
| | Apr. 10 | 8,273 | 5,48 | | Apr. 10 | 43,605 | 40,97 |
| | Jul. 19 | 8,175 | 5,61 | | Jul. 19 | 43,689 | 40,68 |
| | Oct. 27 | 8,082 | 5,81 | | Oct. 27 | 43,767 | 40,33 |
| | Dec. 66 | 7,994 | 6,09 | | Dec. 66 | 43,839 | 39,91 |
| 1813 | Jan. 0 | 4 25 11,450 | + 16 7 13,88 | 1823 | Jan. 0 | 4 25 47,245 | + 16 8 47,90 |
| | Apr. 10 | 11,365 | 14,20 | | Apr. 10 | 47,313 | 47,45 |
| | Jul. 19 | 11,288 | 14,59 | | Jul. 19 | 47,373 | 46,94 |
| | Oct. 27 | 11,217 | 15,04 | | Oct. 27 | 47,425 | 46,37 |
| | Dec. 66 | 11,155 | 15,55 | | Dec. 66 | 47,469 | 45,75 |
| 1814 | Jan. 0 | 4 25 14,604 | + 16 7 23,26 | 1824 | Jan. 1 | 4 25 50,885 | + 16 8 53,81 |
| | Apr. 10 | 14,548 | 23,81 | | Apr. 10 | 50,923 | 53,16 |
| | Jul. 19 | 14,499 | 24,41 | | Jul. 19 | 50,952 | 52,48 |
| | Oct. 27 | 14,461 | 25,06 | | Oct. 27 | 50,971 | 51,76 |
| | Dec. 66 | 14,430 | 25,75 | | Dec. 66 | 50,981 | 51,01 |
| 1815 | Jan. 0 | 4 25 17,868 | + 16 7 33,39 | 1825 | Jan. 0 | 4 25 54,409 | + 16 8 59,10 |
| | Apr. 10 | 17,845 | 34,10 | | Apr. 10 | 54,413 | 58,33 |
| | Jul. 19 | 17,831 | 34,84 | | Jul. 19 | 54,407 | 57,55 |
| | Oct. 27 | 17,827 | 35,60 | | Oct. 27 | 54,390 | 56,76 |
| | Dec. 66 | 17,833 | 36,39 | | Dec. 66 | 54,365 | 55,95 |
| 1816 | Jan. 1 | 4 25 21,259 | + 16 7 44,00 | 1826 | Jan. 0 | 4 25 57,804 | + 16 9 4,05 |
| | Apr. 10 | 21,271 | 45,79 | | Apr. 10 | 57,772 | 3,25 |
| | Jul. 19 | 21,293 | 45,58 | | Jul. 19 | 57,731 | 2,46 |
| | Oct. 27 | 21,323 | 46,37 | | Oct. 27 | 57,681 | 1,68 |
| | Dec. 66 | 21,363 | 47,16 | | Dec. 66 | 57,621 | 0,91 |
| 1817 | Jan. 0 | 4 25 24,778 | + 16 7 54,77 | 1827 | Jan. 0 | 4 26 1,072 | + 16 9 8,99 |
| | Apr. 10 | 24,824 | 55,55 | | Apr. 10 | 1,007 | 8,25 |
| | Jul. 19 | 24,878 | 56,30 | | Jul. 19 | 0,935 | 7,54 |
| | Oct. 27 | 24,939 | 57,03 | | Oct. 27 | 0,855 | 6,87 |
| | Dec. 66 | 25,008 | 57,74 | | Dec. 66 | 0,768 | 6,23 |
| 1818 | Jan. 0 | 4 25 28,413 | + 16 8 5,37 | 1828 | Jan. 1 | 4 26 4,228 | + 16 9 14,26 |
| | Apr. 10 | 28,487 | 6,05 | | Apr. 10 | 4,138 | 13,66 |
| | Jul. 19 | 28,566 | 6,69 | | Jul. 19 | 4,043 | 13,11 |
| | Oct. 27 | 28,651 | 7,28 | | Oct. 27 | 3,943 | 12,63 |
| | Dec. 66 | 28,741 | 7,83 | | Dec. 66 | 3,840 | 12,20 |
| 1819 | Jan. 0 | 4 25 32,139 | + 16 8 15,52 | 1829 | Jan. 0 | 4 26 7,305 | + 16 9 20,15 |
| | Apr. 10 | 32,232 | 16,03 | | Apr. 10 | 7,199 | 19,77 |
| | Jul. 19 | 32,328 | 16,48 | | Jul. 19 | 7,092 | 19,46 |
| | Oct. 27 | 32,427 | 16,87 | | Oct. 27 | 6,984 | 19,22 |
| | Dec. 66 | 32,529 | 17,21 | | Dec. 66 | 6,876 | 19,06 |

## Tabulae X. Sect. IV. *α Tauri.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,213 | — 0,4 | + 1,28 | — 2,5 | +2 | —1 |
| 10 | +1,189 | — 4,4 | + 1,04 | — 2,5 | +2 | —1 |
| 20 | +1,125 | — 8,3 | + 0,79 | — 2,5 | +3 | —1 |
| 30 | +1,023 | —11,8 | + 0,54 | — 2,5 | +3 | 0 |
| Febr. 9 | +0,890 | —14,4 | + 0,29 | — 2,6 | +3 | 0 |
| 19 | +0,735 | —16,3 | + 0,02 | — 2,7 | +3 | 0 |
| Mart. 1 | +0,565 | —17,2 | — 0,25 | — 2,7 | +4 | 0 |
| 11 | +0,391 | —17,1 | — 0,52 | — 2,7 | +3 | 0 |
| 21 | +0,224 | —15,8 | — 0,78 | — 2,5 | +3 | 0 |
| 31 | +0,075 | —13,7 | — 1,01 | — 2,1 | +3 | 0 |
| Apr. 10 | —0,049 | —10,5 | — 1,19 | — 1,4 | +3 | 0 |
| 20 | —0,137 | — 6,7 | — 1,29 | — 0,6 | +2 | 0 |
| 30 | —0,184 | — 2,5 | — 1,30 | + 0,5 | +2 | 0 |
| Maj. 10 | —0,186 | + 2,2 | — 1,19 | + 1,8 | +1 | 0 |
| 20 | —0,141 | + 6,9 | — 0,94 | + 3,2 | +1 | 0 |
| 30 | —0,049 | +11,5 | — 0,55 | + 4,7 | 0 | 0 |
| Jun. 9 | +0,089 | +15,9 | — 0,01 | + 6,1 | 0 | —1 |
| 19 | +0,268 | +19,7 | + 0,67 | + 7,5 | —1 | —1 |
| 29 | +0,483 | +23,1 | + 1,48 | + 8,6 | —1 | —1 |
| Jul. 9 | +0,729 | +25,9 | + 2,39 | + 9,5 | —2 | —2 |
| 19 | +1,000 | +28,0 | + 3,37 | +10,0 | —2 | —2 |
| 29 | +1,289 | +29,5 | + 4,39 | +10,3 | —2 | —3 |
| Aug. 8 | +1,590 | +30,4 | + 5,42 | +10,2 | —2 | —3 |
| 18 | +1,897 | +30,8 | + 6,42 | + 9,6 | —2 | —3 |
| 28 | +2,205 | +30,6 | + 7,33 | + 8,7 | —2 | —4 |
| Sept. 7 | +2,508 | +30,0 | + 8,16 | + 7,6 | —2 | —4 |
| 17 | +2,804 | +29,1 | + 8,85 | + 6,3 | —2 | —4 |
| 27 | +3,089 | +27,8 | + 9,41 | + 4,9 | —2 | —5 |
| Oct. 7 | +3,360 | +26,2 | + 9,82 | + 3,4 | —2 | —5 |
| 17 | +3,613 | +24,3 | +10,08 | + 2,0 | —1 | —5 |
| 27 | +3,846 | +22,2 | +10,21 | + 0,7 | —1 | —5 |
| Nov. 6 | +4,056 | +19,7 | +10,21 | — 0,4 | 0 | —5 |
| 16 | +4,240 | +16,9 | +10,13 | — 1,2 | 0 | —5 |
| 26 | +4,393 | +13,7 | + 9,97 | — 1,8 | +1 | —6 |
| Dec. 6 | +4,513 | +10,1 | + 9,77 | — 2,2 | +2 | —6 |
| 16 | +4,595 | + 6,2 | + 9,54 | — 2,4 | +2 | —6 |
| 26 | +4,637 | + 2,2 | + 9,29 | — 2,5 | +3 | —5 |
| 36 | +4,639 | — 1,9 | + 9,05 | — 2,4 | +3 | —5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 4 25 1,8303 | + 16 6 58,364 |
| 1811 | 25 5,2585 | 7 6,264 |
| 1812 | 25 8,6868 | 7 14,160 |
| 1813 | 25 12,1152 | 7 22,051 |
| 1814 | 25 15,5437 | 7 29,937 |
| 1815 | 25 18,9725 | 7 37,819 |
| 1816 | 25 22,4013 | 7 45,697 |
| 1817 | 25 25,8302 | 7 53,569 |
| 1818 | 25 29,2592 | 8 1,437 |
| 1819 | 25 32,6883 | 8 9,301 |
| 1820 | 25 36,1174 | 8 17,160 |
| 1821 | 25 39,5467 | 8 25,014 |
| 1822 | 25 42,9761 | 8 32,864 |
| 1823 | 25 46,4056 | 8 40,709 |
| 1824 | 25 49,8352 | 8 48,550 |
| 1825 | 25 53,2650 | 8 56,386 |
| 1826 | 25 56,6949 | 9 4,218 |
| 1827 | 26 0,1249 | 9 12,045 |
| 1828 | 26 3,5550 | 9 19,867 |
| 1829 | 26 6,9851 | 9 27,685 |
| 1830 | 26 10,4154 | 9 35,498 |

Diei reducto addendum est:

ante } Maj. 29 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens

## Tabulae X. Sect. IV. *α Aurigae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 5 2 40,990 | +45 47 16,34 | 1820 | Jan. 1 | 5 3 24,146 | +45 48 17,51 |
| | Apr. 10 | 40,862 | 15,95 | | Apr. 10 | 24,278 | 17,71 |
| | Jul. 19 | 40,730 | 15,62 | | Jul. 19 | 24,410 | 17,83 |
| | Oct. 27 | 40,595 | 15,37 | | Oct. 27 | 24,542 | 17,89 |
| | Dec. 66 | 40,456 | 15,19 | | Dec. 66 | 24,675 | 17,87 |
| 1811 | Jan. 0 | 5 2 44,914 | +45 47 19,78 | 1821 | Jan. 0 | 5 3 29,044 | +45 48 22,36 |
| | Apr. 10 | 44,774 | 19,66 | | Apr. 10 | 29,176 | 22,30 |
| | Jul. 19 | 44,635 | 19,61 | | Jul. 19 | 29,304 | 22,16 |
| | Oct. 27 | 44,497 | 19,64 | | Oct. 27 | 29,429 | 21,95 |
| | Dec. 66 | 44,361 | 19,75 | | Dec. 66 | 29,550 | 21,68 |
| 1812 | Jan. 1 | 5 2 48,318 | +45 47 24,24 | 1822 | Jan. 0 | 5 3 33,924 | +45 48 26,25 |
| | Apr. 10 | 48,684 | 24,40 | | Apr. 10 | 34,042 | 25,93 |
| | Jul. 19 | 48,555 | 24,63 | | Jul. 19 | 34,153 | 25,54 |
| | Oct. 27 | 48,432 | 24,94 | | Oct. 27 | 34,257 | 25,09 |
| | Dec. 66 | 48,314 | 25,32 | | Dec. 66 | 34,355 | 24,58 |
| 1813 | Jan. 0 | 5 2 52,764 | +45 47 29,71 | 1823 | Jan. 0 | 5 3 38,737 | +45 48 29,22 |
| | Apr. 10 | 52,651 | 30,14 | | Apr. 10 | 38,828 | 28,67 |
| | Jul. 19 | 52,547 | 30,62 | | Jul. 19 | 38,910 | 28,07 |
| | Oct. 27 | 52,452 | 31,17 | | Oct. 27 | 38,982 | 27,42 |
| | Dec. 66 | 52,367 | 31,77 | | Dec. 66 | 39,044 | 26,73 |
| 1814 | Jan. 0 | 5 2 56,806 | +45 47 36,09 | 1824 | Jan. 1 | 5 3 43,438 | +45 48 31,43 |
| | Apr. 10 | 56,728 | 36,72 | | Apr. 10 | 43,492 | 30,71 |
| | Jul. 19 | 56,661 | 37,40 | | Jul. 19 | 43,535 | 29,96 |
| | Oct. 27 | 56,606 | 38,12 | | Oct. 27 | 43,565 | 29,19 |
| | Dec. 66 | 56,562 | 38,87 | | Dec. 66 | 43,584 | 28,39 |
| 1815 | Jan. 0 | 5 3 0,987 | +45 47 43,13 | 1825 | Jan. 0 | 5 3 47,993 | +45 48 33,11 |
| | Apr. 10 | 0,951 | 43,90 | | Apr. 10 | 48,003 | 32,30 |
| | Jul. 19 | 0,928 | 44,69 | | Jul. 19 | 48,001 | 31,49 |
| | Oct. 27 | 0,917 | 45,49 | | Oct. 27 | 47,986 | 30,67 |
| | Dec. 66 | 0,919 | 46,31 | | Dec. 66 | 47,959 | 29,85 |
| 1816 | Jan. 1 | 5 3 5,329 | +45 47 50,54 | 1826 | Jan. 0 | 5 3 52,383 | +45 48 34,57 |
| | Apr. 10 | 5,340 | 51,36 | | Apr. 10 | 52,347 | 33,76 |
| | Jul. 19 | 5,362 | 52,17 | | Jul. 19 | 52,299 | 32,97 |
| | Oct. 27 | 5,396 | 52,96 | | Oct. 27 | 52,239 | 32,20 |
| | Dec. 66 | 5,442 | 53,75 | | Dec. 66 | 52,167 | 31,46 |
| 1817 | Jan. 0 | 5 3 9,838 | +45 47 57,99 | 1827 | Jan. 0 | 5 3 56,607 | +45 48 36,15 |
| | Apr. 10 | 9,892 | 58,76 | | Apr. 10 | 56,528 | 35,43 |
| | Jul. 19 | 9,956 | 59,50 | | Jul. 19 | 56,439 | 34,76 |
| | Oct. 27 | 10,030 | 48 0,20 | | Oct. 27 | 56,341 | 34,14 |
| | Dec. 66 | 10,115 | 0,87 | | Dec. 66 | 56,233 | 33,56 |
| 1818 | Jan. 0 | 5 3 14,498 | +45 48 5,15 | 1828 | Jan. 1 | 5 4 0,683 | +45 48 38,18 |
| | Apr. 10 | 14,589 | 5,79 | | Apr. 10 | 0,570 | 37,64 |
| | Jul. 19 | 14,687 | 6,37 | | Jul. 19 | 0,450 | 37,17 |
| | Oct. 27 | 14,793 | 6,91 | | Oct. 27 | 0,324 | 36,76 |
| | Dec. 66 | 14,907 | 7,39 | | Dec. 66 | 0,192 | 36,42 |
| 1819 | Jan. 0 | 5 3 19,281 | +45 48 11,73 | 1829 | Jan. 0 | 5 4 4,651 | +45 48 40,95 |
| | Apr. 10 | 19,398 | 12,17 | | Apr. 10 | 4,517 | 40,66 |
| | Jul. 19 | 19,520 | 12,54 | | Jul. 19 | 4,380 | 40,45 |
| | Oct. 27 | 19,646 | 12,85 | | Oct. 27 | 4,241 | 40,31 |
| | Dec. 66 | 19,777 | 13,10 | | Dec. 66 | 4,100 | 40,24 |

## Tabulae X. Sect. IV. *α Aurigae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,822 | + 2,8 | +4,20 | +14,0 | +3 | − 4 |
| 10 | +1,819 | − 3,4 | +5,55 | +12,8 | +4 | − 4 |
| 20 | +1,754 | − 9,3 | +6,76 | +11,2 | +5 | − 4 |
| 30 | +1,634 | −14,5 | +7,79 | + 9,1 | +5 | − 3 |
| Febr. 9 | +1,464 | −19,1 | +8,57 | + 6,5 | +6 | − 3 |
| 19 | +1,253 | −22,5 | +9,09 | + 3,7 | +6 | − 2 |
| Mart. 1 | +1,015 | −24,5 | +9,31 | + 0,7 | +6 | − 1 |
| 11 | +0,764 | −25,1 | +9,22 | − 2,4 | +6 | 0 |
| 21 | +0,514 | −24,2 | +8,83 | − 5,3 | +6 | 0 |
| 31 | +0,281 | −21,9 | +8,16 | − 8,0 | +6 | + 1 |
| Apr. 10 | +0,076 | −18,4 | +7,24 | −10,2 | +5 | + 1 |
| 20 | −0,087 | −13,8 | +6,13 | −11,8 | +4 | + 2 |
| 30 | −0,199 | − 8,4 | +4,87 | −13,0 | +4 | + 2 |
| Maj. 10 | −0,254 | − 2,4 | +3,52 | −13,7 | +3 | + 2 |
| 20 | −0,247 | + 3,8 | +2,14 | −13,7 | +2 | + 2 |
| 30 | −0,178 | +10,0 | +0,79 | −13,2 | +1 | + 2 |
| Jun. 9 | −0,047 | +15,9 | −0,50 | −12,3 | 0 | + 2 |
| 19 | +0,140 | +21,4 | −1,66 | −10,9 | −1 | + 2 |
| 29 | +0,381 | +26,4 | −2,67 | − 9,3 | −2 | + 1 |
| Jul. 9 | +0,667 | +30,6 | −3,51 | − 7,5 | −2 | 0 |
| 19 | +0,992 | +34,1 | −4,16 | − 5,5 | −3 | 0 |
| 29 | +1,348 | +36,8 | −4,60 | − 3,4 | −3 | − 1 |
| Aug. 8 | +1,728 | +38,9 | −4,84 | − 1,5 | −4 | − 2 |
| 18 | +2,125 | +40,2 | −4,89 | + 0,5 | −4 | − 3 |
| 28 | +2,532 | +40,9 | −4,74 | + 2,4 | −4 | − 4 |
| Sept. 7 | +2,942 | +41,0 | −4,41 | + 4,2 | −4 | − 5 |
| 17 | +3,352 | +40,6 | −3,91 | + 5,8 | −4 | − 5 |
| 27 | +3,754 | +39,7 | −3,26 | + 7,3 | −4 | − 6 |
| Oct. 7 | +4,146 | +38,4 | −2,46 | + 8,7 | −3 | − 7 |
| 17 | +4,521 | +36,4 | −1,53 | +10,0 | −3 | − 8 |
| 27 | +4,874 | +34,0 | −0,46 | +11,3 | −2 | − 9 |
| Nov. 6 | +5,201 | +31,0 | +0,73 | +12,4 | −1 | − 9 |
| 16 | +5,494 | +27,3 | +2,02 | +13,4 | 0 | −10 |
| 26 | +5,747 | +23,0 | +3,40 | +14,2 | +1 | −10 |
| Dec. 6 | +5,954 | +18,1 | +4,84 | +14,6 | +2 | −11 |
| 16 | +6,108 | +12,6 | +6,32 | +14,7 | +3 | −11 |
| 26 | +6,205 | + 6,7 | +7,78 | +14,4 | +4 | −11 |
| 36 | +6,241 | + 0,4 | +9,20 | +13,6 | +5 | −10 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 5 2 40,3346 | +45 47 24,012 |
| 1811 | 2 44,7459 | 47 28,551 |
| 1812 | 2 49,1574 | 47 33,083 |
| 1813 | 2 53,5690 | 47 37,610 |
| 1814 | 2 57,9808 | 47 42,130 |
| 1815 | 3 2,3928 | 47 46,644 |
| 1816 | 3 6,8050 | 47 51,152 |
| 1817 | 3 11,2174 | 47 55,653 |
| 1818 | 3 15,6300 | 48 0,148 |
| 1819 | 3 20,0427 | 48 4,637 |
| 1820 | 3 24,4556 | 48 9,120 |
| 1821 | 3 28,8687 | 48 13,597 |
| 1822 | 3 33,2820 | 48 18,067 |
| 1823 | 3 37,6955 | 48 22,531 |
| 1824 | 3 42,1092 | 48 26,989 |
| 1825 | 3 46,5230 | 48 31,441 |
| 1826 | 3 50,9370 | 48 35,886 |
| 1827 | 3 55,3512 | 48 40,326 |
| 1828 | 3 59,7656 | 48 44,759 |
| 1829 | 4 4,1802 | 48 49,185 |
| 1830 | 4 8,5950 | 48 53,606 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. β *Orionis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 5 5 24,973 | — 8 25 58,76 | 1820 | Jan. 1 | 5 5 53,354 | — 8 24 55,80 |
| | Apr. 10 | 24,886 | 59,15 | | Apr. 10 | 53,441 | 55,61 |
| | Jul. 19 | 24,797 | 59,47 | | Jul. 19 | 53,527 | 55,49 |
| | Oct. 27 | 24,707 | 59,71 | | Oct. 27 | 53,613 | 55,43 |
| | Dec. 66 | 24,616 | 59,88 | | Dec. 66 | 53,698 | 55,46 |
| 1811 | Jan. 0 | 5 5 27,524 | — 8 25 55,13 | 1821 | Jan. 0 | 5 5 56,547 | — 8 24 50,79 |
| | Apr. 10 | 27,433 | 55,25 | | Apr. 10 | 56,631 | 50,86 |
| | Jul. 19 | 27,343 | 55,29 | | Jul. 19 | 56,711 | 51,00 |
| | Oct. 27 | 27,256 | 55,25 | | Oct. 27 | 56,788 | 51,22 |
| | Dec. 66 | 27,170 | 55,14 | | Dec. 66 | 56,862 | 51,50 |
| 1812 | Jan. 1 | 5 5 30,076 | — 8 25 50,49 | 1822 | Jan. 0 | 5 5 59,716 | — 8 24 46,74 |
| | Apr. 10 | 29,992 | 50,32 | | Apr. 10 | 59,787 | 47,07 |
| | Jul. 19 | 29,913 | 50,08 | | Jul. 19 | 59,853 | 47,47 |
| | Oct. 27 | 29,839 | 49,77 | | Oct. 27 | 59,914 | 47,92 |
| | Dec. 66 | 29,769 | 49,38 | | Dec. 66 | 59,969 | 48,44 |
| 1813 | Jan. 0 | 5 5 32,669 | — 8 25 44,82 | 1823 | Jan. 0 | 5 6 2,830 | — 8 24 43,61 |
| | Apr. 10 | 32,603 | 44,39 | | Apr. 10 | 2,881 | 44,17 |
| | Jul. 19 | 32,543 | 43,90 | | Jul. 19 | 2,925 | 44,77 |
| | Oct. 27 | 32,490 | 43,35 | | Oct. 27 | 2,963 | 45,42 |
| | Dec. 66 | 32,444 | 42,74 | | Dec. 66 | 2,993 | 46,11 |
| 1814 | Jan. 0 | 5 5 35,336 | — 8 25 38,26 | 1824 | Jan. 1 | 5 6 5,862 | — 8 24 41,23 |
| | Apr. 10 | 35,295 | 37,61 | | Apr. 10 | 5,887 | 42,95 |
| | Jul. 19 | 35,261 | 36,93 | | Jul. 19 | 5,905 | 42,70 |
| | Oct. 27 | 35,236 | 36,22 | | Oct. 27 | 5,914 | 43,48 |
| | Dec. 66 | 35,218 | 35,46 | | Dec. 66 | 5,915 | 44,28 |
| 1815 | Jan. 0 | 5 5 38,101 | — 8 25 31,03 | 1825 | Jan. 0 | 5 6 8,794 | — 8 24 39,36 |
| | Apr. 10 | 38,089 | 30,27 | | Apr. 10 | 8,788 | 40,17 |
| | Jul. 19 | 38,085 | 29,48 | | Jul. 19 | 8,777 | 40,99 |
| | Oct. 27 | 38,089 | 28,67 | | Oct. 27 | 8,757 | 41,80 |
| | Dec. 66 | 38,101 | 27,84 | | Dec. 66 | 8,728 | 42,62 |
| 1816 | Jan. 1 | 5 5 40,974 | — 8 25 23,43 | 1826 | Jan. 0 | 5 6 11,617 | — 8 24 37,71 |
| | Apr. 10 | 40,992 | 22,61 | | Apr. 10 | 11,583 | 38,52 |
| | Jul. 19 | 41,017 | 21,81 | | Jul. 19 | 11,542 | 39,31 |
| | Oct. 27 | 41,050 | 21,01 | | Oct. 27 | 11,493 | 40,07 |
| | Dec. 66 | 41,090 | 20,23 | | Dec. 66 | 11,437 | 40,81 |
| 1817 | Jan. 0 | 5 5 43,954 | — 8 25 15,81 | 1827 | Jan. 0 | 5 6 14,335 | — 8 24 35,93 |
| | Apr. 10 | 43,999 | 15,05 | | Apr. 10 | 14,275 | 36,63 |
| | Jul. 19 | 44,050 | 14,31 | | Jul. 19 | 14,209 | 37,29 |
| | Oct. 27 | 44,107 | 13,61 | | Oct. 27 | 14,138 | 37,92 |
| | Dec. 66 | 44,170 | 12,94 | | Dec. 66 | 14,061 | 38,51 |
| 1818 | Jan. 0 | 5 5 47,026 | — 8 25 8,49 | 1828 | Jan. 1 | 5 6 16,966 | — 8 24 33,69 |
| | Apr. 10 | 47,093 | 7,85 | | Apr. 10 | 16,886 | 34,22 |
| | Jul. 19 | 47,164 | 7,27 | | Jul. 19 | 16,803 | 34,69 |
| | Oct. 27 | 47,239 | 6,74 | | Oct. 27 | 16,717 | 35,09 |
| | Dec. 66 | 47,318 | 6,26 | | Dec. 66 | 16,628 | 35,43 |
| 1819 | Jan. 0 | 5 5 50,170 | — 8 25 1,74 | 1829 | Jan. 0 | 5 6 19,536 | — 8 24 30,70 |
| | Apr. 10 | 50,251 | 1,31 | | Apr. 10 | 19,446 | 30,98 |
| | Jul. 19 | 50,334 | 0,94 | | Jul. 19 | 19,356 | 31,19 |
| | Oct. 27 | 50,418 | 0,63 | | Oct. 27 | 19,266 | 31,33 |
| | Dec. 66 | 50,504 | 0,39 | | Dec. 66 | 19,175 | 31,39 |

## Tabulae X. Sect. IV. β *Orionis.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,280 | + 1,5 | — 2,92 | —16,0 | +1 | +1 | 1810 | 5 5 24,6580 | — 8 25 51,040 |
| 10 | +1,274 | — 2,8 | — 4,45 | —14,5 | +2 | +1 | 1811 | 5 27,5359 | 25 46,340 |
| 20 | +1,225 | — 6,9 | — 5,81 | —12,5 | +2 | +1 | 1812 | 5 30,4138 | 25 41,644 |
| 30 | +1,137 | —10,6 | — 6,95 | —10,3 | +2 | 0 | 1813 | 5 33,2918 | 25 36,952 |
| Febr. 9 | +1,014 | —13,7 | — 7,86 | — 7,9 | +3 | 0 | 1814 | 5 36,1698 | 25 32,264 |
| | | | | | | | 1815 | 5 39,0479 | 25 27,579 |
| 19 | +0,864 | —16,0 | — 8,53 | — 5,5 | +3 | 0 | 1816 | 5 41,9260 | 25 22,899 |
| Mart. 1 | +0,694 | —17,5 | — 8,95 | — 3,0 | +3 | 0 | 1817 | 5 44,8042 | 25 18,223 |
| 11 | +0,514 | —18,1 | — 9,13 | — 0,5 | +3 | 0 | 1818 | 5 47,6824 | 25 13,551 |
| 21 | +0,333 | —17,6 | — 9,05 | + 2,1 | +3 | —1 | 1819 | 5 50,5606 | 25 8,883 |
| 31 | +0,163 | —16,1 | — 8,72 | + 4,5 | +3 | —1 | 1820 | 5 53,4389 | 25 4,220 |
| | | | | | | | 1821 | 5 56,3172 | 24 59,561 |
| Apr. 10 | +0,012 | —13,7 | — 8,15 | + 6,9 | +2 | —1 | 1822 | 5 59,1956 | 24 54,906 |
| 20 | —0,111 | —10,6 | — 7,34 | + 9,3 | +2 | —1 | 1823 | 6 2,0740 | 24 50,255 |
| 30 | —0,200 | — 7,0 | — 6,29 | +11,6 | +2 | —1 | 1824 | 6 4,9525 | 24 45,608 |
| Maj. 10 | —0,250 | — 2,9 | — 5,03 | +13,6 | +1 | —2 | 1825 | 6 7,8310 | 24 40,964 |
| 20 | —0,257 | + 1,5 | — 3,57 | +15,5 | +1 | —2 | 1826 | 6 10,7095 | 24 36,325 |
| | | | | | | | 1827 | 6 13,5881 | 24 31,690 |
| 30 | —0,220 | + 5,9 | — 1,94 | +17,1 | +1 | —2 | 1828 | 6 16,4667 | 24 27,059 |
| Jun. 9 | —0,140 | +10,1 | — 0,16 | +18,3 | 0 | —2 | 1829 | 6 19,3454 | 24 22,432 |
| 19 | —0,019 | +14,0 | + 1,72 | +19,1 | 0 | —3 | 1830 | 6 22,2241 | 24 17,810 |
| 29 | +0,140 | +17,6 | + 3,65 | +19,4 | —1 | —3 | | | |
| Jul. 9 | +0,333 | +20,7 | + 5,59 | +19,2 | —1 | —3 | | | |
| 19 | +0,554 | +23,3 | + 7,48 | +18,4 | —1 | —3 | | | |
| 29 | +0,799 | +25,4 | + 9,26 | +16,9 | —2 | —3 | | | |
| Aug. 8 | +1,062 | +26,9 | +10,86 | +14,9 | —2 | —3 | | | |
| 18 | +1,337 | +27,9 | +12,23 | +12,4 | —2 | —3 | | | |
| 28 | +1,620 | +28,5 | +13,33 | + 9,4 | —2 | —3 | | | |
| Sept. 7 | +1,906 | +28,6 | +14,10 | + 5,9 | —2 | —3 | | | |
| 17 | +2,191 | +28,3 | +14,51 | + 2,3 | —2 | —3 | | | |
| 27 | +2,471 | +27,6 | +14,55 | — 1,5 | —2 | —3 | | | |
| Oct. 7 | +2,743 | +26,6 | +14,22 | — 5,1 | —2 | —3 | | | |
| 17 | +3,002 | +25,1 | +13,53 | — 8,6 | —2 | —3 | | | |
| 27 | +3,245 | +23,4 | +12,51 | —11,6 | —1 | —3 | | | |
| Nov. 6 | +3,469 | +21,2 | +11,22 | —14,1 | —1 | —3 | | | |
| 16 | +3,668 | +18,5 | + 9,70 | —16,0 | —1 | —3 | | | |
| 26 | +3,839 | +15,5 | + 8,03 | —17,2 | 0 | —3 | | | |
| Dec. 6 | +3,978 | +12,0 | + 6,27 | —17,7 | 0 | —3 | | | |
| 16 | +4,079 | + 8,2 | + 4,49 | —17,6 | +1 | —3 | | | |
| 26 | +4,141 | + 4,1 | + 2,76 | —16,8 | +1 | —3 | | | |
| 36 | +4,161 | — 0,1 | + 1,14 | —15,5 | +2 | —3 | | | |

Diei reducto addendum est:

ante } Jun. 8 { +1
post } Jun. 8 { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. β *Tauri.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | h ′ ″ 5 14 17,852 | +28° 25′ 55″,13 | 1820 | Jan. 1 | h ′ ″ 5 14 55,000 | +28° 26′ 48″,92 |
| | Apr. 10 | 17,740 | 54,76 | | Apr. 10 | 55,113 | 49,09 |
| | Jul. 19 | 17,626 | 54,46 | | Jul. 19 | 55,226 | 49,19 |
| | Oct. 27 | 17,510 | 54,24 | | Oct. 27 | 55,339 | 49,21 |
| | Dec. 66 | 17,391 | 54,10 | | Dec. 66 | 55,452 | 49,16 |
| 1811 | Jan. 0 | 5 14 21,214 | +28 25 57,90 | 1821 | Jan. 0 | 5 14 59,200 | +28 26 52,90 |
| | Apr. 10 | 21,094 | 57,81 | | Apr. 10 | 59,312 | 52,81 |
| | Jul. 19 | 20,976 | 57,79 | | Jul. 19 | 59,420 | 52,64 |
| | Oct. 27 | 20,859 | 57,85 | | Oct. 27 | 59,525 | 52,40 |
| | Dec. 66 | 20,744 | 57,99 | | Dec. 66 | 59,626 | 52,09 |
| 1812 | Jan. 1 | 5 14 24,566 | +28 26 1,69 | 1822 | Jan. 0 | 5 15 3,379 | +28 26 55,90 |
| | Apr. 10 | 24,453 | 1,89 | | Apr. 10 | 3,477 | 55,55 |
| | Jul. 19 | 24,345 | 2,16 | | Jul. 19 | 3,568 | 55,14 |
| | Oct. 27 | 24,242 | 2,50 | | Oct. 27 | 3,653 | 54,66 |
| | Dec. 66 | 24,145 | 2,91 | | Dec. 66 | 3,732 | 54,12 |
| 1813 | Jan. 0 | 5 14 27,962 | +28 26 6,51 | 1823 | Jan. 0 | 5 15 7,492 | +28 26 58,01 |
| | Apr. 10 | 27,869 | 6,97 | | Apr. 10 | 7,566 | 57,43 |
| | Jul. 19 | 27,784 | 7,48 | | Jul. 19 | 7,631 | 56,81 |
| | Oct. 27 | 27,708 | 7,05 | | Oct. 27 | 7,687 | 56,14 |
| | Dec. 66 | 27,640 | 8,68 | | Dec. 66 | 7,735 | 55,43 |
| 1814 | Jan. 0 | 5 14 31,446 | +28 26 12,21 | 1824 | Jan. 1 | 5 15 11,506 | +28 26 59,37 |
| | Apr. 10 | 31,384 | 12,87 | | Apr. 10 | 11,547 | 58,63 |
| | Jul. 19 | 31,332 | 13,57 | | Jul. 19 | 11,577 | 57,87 |
| | Oct. 27 | 31,290 | 14,31 | | Oct. 27 | 11,597 | 57,09 |
| | Dec. 66 | 31,259 | 15,08 | | Dec. 66 | 11,607 | 56,28 |
| 1815 | Jan. 0 | 5 14 35,053 | +28 26 18,56 | 1825 | Jan. 0 | 5 15 15,391 | +28 27 0,24 |
| | Apr. 10 | 35,029 | 19,34 | | Apr. 10 | 15,394 | 26 59,42 |
| | Jul. 19 | 35,015 | 20,14 | | Jul. 19 | 15,386 | 58,60 |
| | Oct. 27 | 35,012 | 20,95 | | Oct. 27 | 15,367 | 57,78 |
| | Dec. 66 | 35,019 | 21,78 | | Dec. 66 | 15,337 | 56,96 |
| 1816 | Jan. 1 | 5 14 38,801 | +28 26 25,24 | 1826 | Jan. 0 | 5 15 19,134 | +28 27 0,92 |
| | Apr. 10 | 38,816 | 26,06 | | Apr. 10 | 19,096 | 0,11 |
| | Jul. 19 | 38,840 | 26,87 | | Jul. 19 | 19,051 | 26 59,33 |
| | Oct. 27 | 38,875 | 27,66 | | Oct. 27 | 18,994 | 58,57 |
| | Dec. 66 | 38,921 | 28,44 | | Dec. 66 | 18,928 | 57,84 |
| 1817 | Jan. 0 | 5 14 42,689 | +28 26 31,91 | 1827 | Jan. 0 | 5 15 22,737 | +28 27 1,76 |
| | Apr. 10 | 42,741 | 32,67 | | Apr. 10 | 22,664 | 1,05 |
| | Jul. 19 | 42,801 | 33,40 | | Jul. 19 | 22,583 | 0,40 |
| | Oct. 27 | 42,870 | 34,09 | | Oct. 27 | 22,495 | 26 59,79 |
| | Dec. 66 | 42,946 | 34,75 | | Dec. 66 | 22,399 | 59,24 |
| 1818 | Jan. 0 | 5 14 46,705 | +28 26 38,26 | 1828 | Jan. 1 | 5 15 26,218 | +28 27 3,09 |
| | Apr. 10 | 46,787 | 39,88 | | Apr. 10 | 26,117 | 2,58 |
| | Jul. 19 | 46,875 | 39,45 | | Jul. 19 | 26,011 | 2,12 |
| | Oct. 27 | 46,969 | 39,97 | | Oct. 27 | 25,901 | 1,74 |
| | Dec. 66 | 47,069 | 40,43 | | Dec. 66 | 25,786 | 1,43 |
| 1819 | Jan. 0 | 5 14 50,820 | +28 26 44,00 | 1829 | Jan. 0 | 5 15 29,611 | +28 27 5,19 |
| | Apr. 10 | 50,923 | 44,42 | | Apr. 10 | 29,494 | 4,93 |
| | Jul. 19 | 51,030 | 44,77 | | Jul. 19 | 29,377 | 4,74 |
| | Oct. 27 | 51,139 | 45,05 | | Oct. 27 | 29,258 | 4,63 |
| | Dec. 66 | 51,252 | 45,27 | | Dec. 66 | 29,137 | 4,60 |

## Tabulae X. Sect. IV. *β Tauri.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,470 | + 4,4 | +1,61 | +4,2 | +1 | —2 |
| 10 | +1,490 | — 0,6 | +2,03 | +4,1 | +2 | —2 |
| 20 | +1,459 | — 5,4 | +2,42 | +3,7 | +3 | —2 |
| 30 | +1,382 | — 9,9 | +2,76 | +3,1 | +3 | —2 |
| Febr. 9 | +1,262 | —13,7 | +3,03 | +2,2 | +4 | —2 |
| 19 | +1,108 | —16,7 | +3,19 | +1,1 | +4 | —1 |
| Mart. 1 | +0,929 | —18,6 | +3,24 | —0,2 | +4 | —1 |
| 11 | +0,737 | —19,4 | +3,16 | —1,4 | +4 | —1 |
| 21 | +0,542 | —19,0 | +2,96 | —2,6 | +4 | 0 |
| 31 | +0,358 | —17,3 | +2,65 | —3,6 | +4 | 0 |
| Apr. 10 | +0,196 | —14,7 | +2,24 | —4,4 | +4 | 0 |
| 20 | +0,064 | —11,2 | +1,77 | —4,9 | +3 | +1 |
| 30 | —0,028 | — 6,9 | +1,27 | —5,1 | +3 | +1 |
| Maj. 10 | —0,074 | — 2,2 | +0,76 | —4,9 | +2 | +1 |
| 20 | —0,072 | + 2,7 | +0,29 | —4,4 | +2 | +1 |
| 30 | —0,020 | + 7,6 | —0,12 | —3,7 | +1 | +1 |
| Jun. 9 | +0,080 | +12,4 | —0,44 | —2,7 | 0 | 0 |
| 19 | +0,227 | +16,9 | —0,66 | —1,7 | 0 | 0 |
| 29 | +0,417 | +20,9 | —0,77 | —0,5 | —1 | 0 |
| Jul. 9 | +0,644 | +24,3 | —0,76 | +0,7 | —1 | —1 |
| 19 | +0,902 | +27,1 | —0,64 | +1,7 | —2 | —1 |
| 29 | +1,186 | +29,4 | —0,43 | +2,5 | —2 | —2 |
| Aug. 8 | +1,490 | +31,1 | —0,14 | +3,2 | —3 | —2 |
| 18 | +1,808 | +32,2 | +0,21 | +3,7 | —3 | —3 |
| 28 | +2,134 | +32,9 | +0,60 | +4,0 | —3 | —3 |
| Sept. 7 | +2,465 | +33,1 | +1,00 | +4,0 | —3 | —4 |
| 17 | +2,796 | +32,9 | +1,40 | +4,0 | —3 | —4 |
| 27 | +3,122 | +32,3 | +1,80 | +3,9 | —3 | —5 |
| Oct. 7 | +3,442 | +31,4 | +2,17 | +3,6 | —3 | —6 |
| 17 | +3,750 | +30,1 | +2,52 | +3,5 | —2 | —6 |
| 27 | +4,044 | +28,4 | +2,86 | +3,4 | —2 | —6 |
| Nov. 6 | +4,318 | +26,2 | +3,19 | +3,3 | —2 | —7 |
| 16 | +4,568 | +23,5 | +3,52 | +3,5 | —1 | —7 |
| 26 | +4,788 | +20,3 | +3,88 | +3,6 | 0 | —7 |
| Dec. 6 | +4,974 | +16,5 | +4,24 | +3,8 | 0 | —8 |
| 16 | +5,118 | +12,2 | +4,64 | +4,1 | +1 | —8 |
| 26 | +5,218 | + 7,5 | +5,06 | +4,2 | +2 | —8 |
| 36 | +5,268 | + 2,6 | +5,48 | +4,2 | +3 | —8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 5 14 17,3525 | +28 26 3,008 |
| 1811 | 14 21,1369 | 26 6,772 |
| 1812 | 14 24,9214 | 26 10,530 |
| 1813 | 14 28,7060 | 26 14,283 |
| 1814 | 14 32,4907 | 26 18,030 |
| 1815 | 14 36,2754 | 26 21,772 |
| 1816 | 14 40,0603 | 26 25,508 |
| 1817 | 14 43,8452 | 26 29,239 |
| 1818 | 14 47,6302 | 26 32,965 |
| 1819 | 14 51,4153 | 26 36,685 |
| 1820 | 14 55,2006 | 26 40,400 |
| 1821 | 14 58,9859 | 26 44,109 |
| 1822 | 15 2,7713 | 26 47,813 |
| 1823 | 15 6,5568 | 26 51,512 |
| 1824 | 15 10,3424 | 26 55,205 |
| 1825 | 15 14,1280 | 26 58,893 |
| 1826 | 15 17,9138 | 27 2,575 |
| 1827 | 15 21,6996 | 27 6,252 |
| 1828 | 15 25,4855 | 27 9,924 |
| 1829 | 15 29,2715 | 27 13,591 |
| 1830 | 15 33,0577 | 27 17,251 |

Diei reducto addendum est:

ante } Jun. 10 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Orionis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | h 5 44′ 53″,668 | + ° 7 21′ 29″,44 | 1820 | Jan. 1 | h 5 45′ 25″,613 | + ° 7 21′ 59″,46 |
| | Apr. 10 | 53,570 | 29,15 | | Apr. 10 | 25,711 | 59,55 |
| | Jul. 19 | 53,471 | 28,93 | | Jul. 19 | 25,803 | 59,56 |
| | Oct. 27 | 53,370 | 28,79 | | Oct. 27 | 25,904 | 59,51 |
| | Dec. 66 | 53,268 | 28,72 | | Dec. 66 | 26,000 | 59,39 |
| 1811 | Jan. 0 | 5 44 56,547 | + 7 21 30,05 | 1821 | Jan. 0 | 5 45 29,213 | + 7 22 0,70 |
| | Apr. 10 | 56,444 | 30,04 | | Apr. 10 | 29,308 | 0,52 |
| | Jul. 19 | 56,343 | 30,11 | | Jul. 19 | 29,399 | 0,28 |
| | Oct. 27 | 56,244 | 30,26 | | Oct. 27 | 29,487 | 21 59,96 |
| | Dec. 66 | 56,147 | 30,48 | | Dec. 66 | 29,572 | 59,58 |
| 1812 | Jan. 1 | 5 44 59,424 | + 7 21 31,71 | 1822 | Jan. 0 | 5 45 32,789 | + 7 22 0,98 |
| | Apr. 10 | 59,329 | 31,99 | | Apr. 10 | 32,871 | 0,55 |
| | Jul. 19 | 59,238 | 32,33 | | Jul. 19 | 32,947 | 0,07 |
| | Oct. 27 | 59,253 | 32,75 | | Oct. 27 | 33,017 | 21 59,52 |
| | Dec. 66 | 59,072 | 33,23 | | Dec. 66 | 33,081 | 58,92 |
| 1813 | Jan. 0 | 5 45 2,343 | + 7 21 34,36 | 1823 | Jan. 0 | 5 45 36,306 | + 7 22 0,38 |
| | Apr. 10 | 2,267 | 34,89 | | Apr. 10 | 36,366 | 21 59,75 |
| | Jul. 19 | 2,198 | 35,47 | | Jul. 19 | 36,418 | 59,07 |
| | Oct. 27 | 2,136 | 36,10 | | Oct. 27 | 36,462 | 58,36 |
| | Dec. 66 | 2,081 | 36,79 | | Dec. 66 | 36,498 | 57,61 |
| 1814 | Jan. 0 | 5 45 5,343 | + 7 21 37,85 | 1824 | Jan. 1 | 5 45 39,732 | + 7 21 59,11 |
| | Apr. 10 | 5,294 | 38,57 | | Apr. 10 | 39,763 | 58,34 |
| | Jul. 19 | 5,254 | 39,31 | | Jul. 19 | 39,785 | 57,55 |
| | Oct. 27 | 5,223 | 40,08 | | Oct. 27 | 39,798 | 56,74 |
| | Dec. 66 | 5,200 | 40,89 | | Dec. 66 | 39,802 | 55,91 |
| 1815 | Jan. 0 | 5 45 8,451 | + 7 21 41,91 | 1825 | Jan. 0 | 5 45 43,047 | + 7 21 57,43 |
| | Apr. 10 | 8,435 | 42,73 | | Apr. 10 | 43,045 | 56,60 |
| | Jul. 19 | 8,428 | 43,54 | | Jul. 19 | 43,033 | 55,78 |
| | Oct. 27 | 8,430 | 44,37 | | Oct. 27 | 43,013 | 54,96 |
| | Dec. 66 | 8,441 | 45,19 | | Dec. 66 | 42,983 | 54,16 |
| 1816 | Jan. 1 | 5 45 11,681 | + 7 21 46,21 | 1826 | Jan. 0 | 5 45 46,239 | + 7 21 55,67 |
| | Apr. 10 | 11,698 | 47,03 | | Apr. 10 | 46,203 | 54,87 |
| | Jul. 19 | 11,724 | 47,83 | | Jul. 19 | 46,159 | 54,11 |
| | Oct. 27 | 11,759 | 48,61 | | Oct. 27 | 46,107 | 53,39 |
| | Dec. 66 | 11,802 | 49,36 | | Dec. 66 | 46,046 | 52,70 |
| 1817 | Jan. 0 | 5 45 15,032 | + 7 21 50,40 | 1827 | Jan. 0 | 5 45 49,313 | + 7 21 54,16 |
| | Apr. 10 | 15,080 | 51,14 | | Apr. 10 | 49,247 | 53,50 |
| | Jul. 19 | 15,135 | 51,83 | | Jul. 19 | 49,174 | 52,89 |
| | Oct. 27 | 15,198 | 52,48 | | Oct. 27 | 49,095 | 52,34 |
| | Dec. 66 | 15,267 | 53,09 | | Dec. 66 | 49,010 | 51,85 |
| 1818 | Jan. 0 | 5 45 18,488 | + 7 21 54,17 | 1828 | Jan. 1 | 5 45 52,285 | + 7 21 53,24 |
| | Apr. 10 | 18,562 | 54,74 | | Apr. 10 | 52,196 | 52,79 |
| | Jul. 19 | 18,640 | 55,25 | | Jul. 19 | 52,104 | 52,41 |
| | Oct. 27 | 18,723 | 55,71 | | Oct. 27 | 52,008 | 52,10 |
| | Dec. 66 | 18,811 | 56,10 | | Dec. 66 | 51,908 | 51,87 |
| 1819 | Jan. 0 | 5 45 22,026 | + 7 21 57,25 | 1829 | Jan. 0 | 5 45 55,187 | + 7 21 53,17 |
| | Apr. 10 | 22,116 | 57,59 | | Apr. 10 | 55,086 | 52,98 |
| | Jul. 19 | 22,209 | 57,86 | | Jul. 19 | 54,985 | 52,88 |
| | Oct. 27 | 22,304 | 58,08 | | Oct. 27 | 54,883 | 52,85 |
| | Dec. 66 | 22,402 | 58,23 | | Dec. 66 | 54,780 | 52,90 |

## Tabulae X. Sect. IV. *α Orionis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,352 | + 6,4 | —1,30 | — 8,7 | +1 | —1 |
| 10 | +1,393 | + 1,8 | —2,13 | — 7,8 | +1 | —1 |
| 20 | +1,388 | — 2,8 | —2,85 | — 6,6 | +2 | —1 |
| 30 | +1,338 | — 7,1 | —3,45 | — 5,4 | +2 | —1 |
| Febr. 9 | +1,247 | —10,9 | —3,93 | — 4,3 | +3 | —1 |
| 19 | +1,121 | —13,9 | —4,30 | — 3,2 | +3 | —1 |
| Mart. 1 | +0,969 | —16,1 | —4,56 | — 2,1 | +3 | —1 |
| 11 | +0,799 | —17,3 | —4,71 | — 1,1 | +3 | —1 |
| 21 | +0,623 | —17,4 | —4,77 | — 0,1 | +3 | —1 |
| 31 | +0,451 | —16,5 | —4,73 | + 1,0 | +3 | —1 |
| Apr. 10 | +0,295 | —14,6 | —4,58 | + 2,0 | +3 | —1 |
| 20 | +0,159 | —11,9 | —4,33 | + 3,1 | +3 | —1 |
| 30 | +0,055 | — 8,6 | —3,97 | + 4,2 | +2 | —1 |
| Maj. 10 | —0,012 | — 4,7 | —3,49 | + 5,4 | +2 | —1 |
| 20 | —0,039 | — 0,6 | —2,90 | + 6,5 | +1 | —1 |
| 30 | —0,024 | + 3,7 | —2,19 | + 7,7 | +1 | —1 |
| Jun. 9 | +0,034 | + 7,9 | —1,37 | + 8,7 | +1 | —1 |
| 19 | +0,133 | +11,8 | —0,45 | + 9,6 | 0 | —2 |
| 29 | +0,270 | +15,4 | + 0,54 | +10,2 | 0 | —2 |
| Jul. 9 | +0,442 | +18,6 | + 1,58 | +10,5 | —1 | —2 |
| 19 | +0,643 | +21,5 | + 2,63 | +10,4 | —1 | —2 |
| 29 | +0,871 | +23,8 | + 3,66 | +10,0 | —2 | —2 |
| Aug 8 | +1,119 | +25,7 | + 4,62 | + 9,1 | —2 | —3 |
| 18 | +1,384 | +27,1 | + 5,47 | + 7,8 | —2 | —3 |
| 28 | +1,661 | +28,1 | + 6,18 | + 6,2 | —2 | —3 |
| Sept. 7 | +1,946 | +28,8 | + 6,71 | + 4,3 | —3 | —3 |
| 17 | +2,236 | +29,0 | + 7,03 | + 2,1 | —3 | —4 |
| 27 | +2,526 | +29,0 | + 7,13 | — 0,2 | —3 | —4 |
| Oct. 7 | +2,815 | +28,7 | + 6,99 | — 2,5 | —3 | —4 |
| 17 | +3,099 | +27,9 | + 6,64 | — 4,6 | —2 | —4 |
| 27 | +3,373 | +26,8 | + 6,07 | — 6,5 | —2 | —4 |
| Nov. 6 | +3,634 | +25,2 | + 5,34 | — 8,0 | —2 | —4 |
| 16 | +3,876 | +23,0 | + 4,47 | — 9,2 | —1 | —5 |
| 26 | +4,093 | +20,3 | + 3,50 | — 9,9 | —1 | —5 |
| Dec. 6 | +4,282 | +17,1 | + 2,50 | —10,1 | 0 | —5 |
| 16 | +4,435 | +13,3 | + 1,49 | — 9,9 | 0 | —5 |
| 26 | +4,548 | + 9,2 | + 0,53 | — 9,2 | +1 | —5 |
| 36 | +4,618 | + 4,7 | —0,35 | — 8,4 | +1 | —5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 5 44 53,2868 | + 7 21 37,777 |
| 1811 | 44 56,5317 | 21 39,090 |
| 1812 | 44 59,7766 | 21 40,398 |
| 1813 | 45 3,0215 | 21 41,701 |
| 1814 | 45 6,2665 | 21 42,999 |
| 1815 | 45 9,5114 | 21 44,292 |
| 1816 | 45 12,7564 | 21 45,581 |
| 1817 | 45 16,0015 | 21 46,865 |
| 1818 | 45 19,2466 | 21 48,145 |
| 1819 | 45 22,4917 | 21 49,420 |
| 1820 | 45 25,7368 | 21 50,690 |
| 1821 | 45 28,9820 | 21 51,955 |
| 1822 | 45 32,2272 | 21 53,216 |
| 1823 | 45 35,4724 | 21 54,472 |
| 1824 | 45 38,7177 | 21 55,723 |
| 1825 | 45 41,9630 | 21 56,969 |
| 1826 | 45 45,2083 | 21 58,211 |
| 1827 | 45 48,4537 | 21 59,448 |
| 1828 | 45 51,6991 | 22 0,680 |
| 1829 | 45 54,9445 | 22 1,907 |
| 1830 | 45 58,1899 | 22 3,130 |

Diei reducto addendum est:

ante } Jun. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Canis majoris.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1810 | Jan. 0 | 6 36 46,726 | —16 28 1,28 |
| | Apr. 10 | 46,646 | 1,44 |
| | Jul. 19 | 46,564 | 1,52 |
| | Oct. 27 | 46,481 | 1,52 |
| | Dec. 66 | 46,396 | 1,44 |
| 1811 | Jan. 0 | 6 36 49,068 | —16 28 5,92 |
| | Apr. 10 | 48,983 | 5,79 |
| | Jul. 19 | 48,900 | 5,58 |
| | Oct. 27 | 48,817 | 5,30 |
| | Dec. 66 | 48,736 | 4,94 |
| 1812 | Jan. 1 | 6 36 51,407 | —16 28 9,51 |
| | Apr. 10 | 51,327 | 9,11 |
| | Jul. 19 | 51,251 | 8,64 |
| | Oct. 27 | 51,180 | 8,11 |
| | Dec. 66 | 51,113 | 7,52 |
| 1813 | Jan. 0 | 6 36 53,778 | —16 28 12,18 |
| | Apr. 10 | 53,713 | 11,55 |
| | Jul. 19 | 53,654 | 10,88 |
| | Oct. 27 | 53,601 | 10,17 |
| | Dec. 66 | 53,554 | 9,42 |
| 1814 | Jan. 0 | 6 36 56,213 | —16 28 14,13 |
| | Apr. 10 | 56,170 | 13,36 |
| | Jul. 19 | 56,135 | 12,57 |
| | Oct. 27 | 56,107 | 11,76 |
| | Dec. 66 | 56,086 | 10,93 |
| 1815 | Jan. 0 | 6 36 58,736 | —16 28 15,67 |
| | Apr. 10 | 58,720 | 14,85 |
| | Jul. 19 | 58,712 | 14,03 |
| | Oct. 27 | 58,712 | 13,22 |
| | Dec. 66 | 58,719 | 12,41 |
| 1816 | Jan. 1 | 6 37 1,359 | —16 28 17,15 |
| | Apr. 10 | 1,371 | 16,36 |
| | Jul. 19 | 1,391 | 15,60 |
| | Oct. 27 | 1,417 | 14,88 |
| | Dec. 66 | 1,451 | 14,19 |
| 1817 | Jan. 0 | 6 37 4,083 | —16 28 18,89 |
| | Apr. 10 | 4,121 | 18,23 |
| | Jul. 19 | 4,165 | 17,62 |
| | Oct. 27 | 4,215 | 17,06 |
| | Dec. 66 | 4,270 | 16,56 |
| 1818 | Jan. 0 | 6 37 6,895 | —16 28 21,19 |
| | Apr. 10 | 6,955 | 20,73 |
| | Jul. 19 | 7,018 | 20,33 |
| | Oct. 27 | 7,085 | 20,00 |
| | Dec. 66 | 7,155 | 19,73 |
| 1819 | Jan. 0 | 6 37 9,777 | —16 28 24,29 |
| | Apr. 10 | 9,851 | 24,07 |
| | Jul. 19 | 9,927 | 23,92 |
| | Oct. 27 | 10,004 | 23,84 |
| | Dec. 66 | 10,084 | 23,84 |
| 1820 | Jan. 1 | 6 37 12,701 | —16 28 28,31 |
| | Apr. 10 | 12,782 | 28,36 |
| | Jul. 19 | 12,862 | 28,48 |
| | Oct. 27 | 12,942 | 28,66 |
| | Dec. 66 | 13,022 | 28,92 |
| 1821 | Jan. 0 | 6 37 15,639 | —16 28 33,31 |
| | Apr. 10 | 15,718 | 33,62 |
| | Jul. 19 | 15,795 | 33,99 |
| | Oct. 27 | 15,868 | 34,42 |
| | Dec. 66 | 15,939 | 34,92 |
| 1822 | Jan. 0 | 6 37 18,560 | —16 28 39,23 |
| | Apr. 10 | 18,629 | 39,76 |
| | Jul. 19 | 18,693 | 40,35 |
| | Oct. 27 | 18,752 | 40,99 |
| | Dec. 66 | 18,807 | 41,67 |
| 1823 | Jan. 0 | 6 37 21,433 | —16 28 45,93 |
| | Apr. 10 | 21,485 | 46,63 |
| | Jul. 19 | 21,530 | 47,37 |
| | Oct. 27 | 21,569 | 48,13 |
| | Dec. 66 | 21,601 | 48,92 |
| 1824 | Jan. 1 | 6 37 24,235 | —16 28 53,16 |
| | Apr. 10 | 24,263 | 53,97 |
| | Jul. 19 | 24,283 | 54,78 |
| | Oct. 27 | 24,295 | 55,60 |
| | Dec. 66 | 24,299 | 56,42 |
| 1825 | Jan. 0 | 6 37 26,944 | —16 29 0,65 |
| | Apr. 10 | 26,945 | 1,47 |
| | Jul. 19 | 26,938 | 2,27 |
| | Oct. 27 | 26,923 | 3,04 |
| | Dec. 66 | 26,900 | 3,80 |
| 1826 | Jan. 0 | 6 37 29,553 | —16 29 8,05 |
| | Apr. 10 | 29,526 | 8,78 |
| | Jul. 19 | 29,491 | 9,47 |
| | Oct. 27 | 29,450 | 10,12 |
| | Dec. 66 | 29,401 | 10,72 |
| 1827 | Jan. 0 | 6 37 32,062 | —16 29 15,03 |
| | Apr. 10 | 32,009 | 15,59 |
| | Jul. 19 | 31,951 | 16,09 |
| | Oct. 27 | 31,887 | 16,53 |
| | Dec. 66 | 31,818 | 16,90 |
| 1828 | Jan. 1 | 6 37 34,486 | —16 29 21,29 |
| | Apr. 10 | 34,414 | 21,61 |
| | Jul. 19 | 34,338 | 21,86 |
| | Oct. 27 | 34,259 | 22,03 |
| | Dec. 66 | 34,178 | 22,13 |
| 1829 | Jan. 0 | 6 37 36,849 | —16 29 26,62 |
| | Apr. 10 | 36,766 | 26,66 |
| | Jul. 19 | 36,682 | 26,62 |
| | Oct. 27 | 36,598 | 26,50 |
| | Dec. 66 | 36,514 | 26,31 |

## Tabulae X. Sect. IV. *a Canis majoris.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,427 | + 9,2 | − 1,78 | −23,8 | 0 | +1 | 1810 | 6 36 46,3874 | −16 27 52,512 |
| 10 | +1,494 | + 4,3 | − 4,11 | −22,3 | +1 | +1 | 1811 | 36 49,0314 | 27 56,959 |
| 20 | +1,513 | − 0,6 | − 6,24 | −20,2 | +1 | +1 | 1812 | 36 51,6754 | 28 1,409 |
| 30 | +1,483 | − 5,3 | − 8,15 | −17,8 | +1 | 0 | 1813 | 36 54,3195 | 28 5,864 |
| Febr. 9 | +1,407 | − 9,6 | − 9,80 | −15,1 | +2 | 0 | 1814 | 36 56,9635 | 28 10,322 |
| | | | | | | | 1815 | 36 59,6075 | 28 14,784 |
| 19 | +1,291 | −13,3 | −11,16 | −12,1 | +2 | 0 | 1816 | 37 2,2515 | 28 19,249 |
| Mart. 1 | +1,142 | −16,2 | −12,21 | − 8,9 | +2 | 0 | 1817 | 37 4,8955 | 28 23,719 |
| 11 | +0,968 | −18,1 | −12,94 | − 5,7 | +2 | −1 | 1818 | 37 7,5396 | 28 28,192 |
| 21 | +0,780 | −19,1 | −13,35 | − 2,6 | +3 | −1 | 1819 | 37 10,1836 | 28 32,669 |
| 31 | +0,587 | −19,0 | −13,45 | + 0,6 | +2 | −1 | 1820 | 37 12,8276 | 28 37,150 |
| | | | | | | | 1821 | 37 15,4717 | 28 41,634 |
| Apr. 10 | +0,400 | −18,0 | −13,23 | + 3,7 | +2 | −1 | 1822 | 37 18,1158 | 28 46,123 |
| 20 | +0,227 | −16,2 | −12,71 | + 6,7 | +2 | −2 | 1823 | 37 20,7599 | 28 50,615 |
| 30 | +0,077 | −13,6 | −11,89 | + 9,5 | +2 | −2 | 1824 | 37 23,4039 | 28 55,111 |
| Maj. 10 | −0,044 | −10,4 | −10,81 | +12,1 | +2 | −2 | 1825 | 37 26,0480 | 28 59,611 |
| 20 | −0,130 | − 6,8 | − 9,47 | +14,5 | +2 | −2 | 1826 | 37 28,6921 | 29 4,115 |
| | | | | | | | 1827 | 37 31,3361 | 29 8,622 |
| 30 | −0,179 | − 3,0 | − 7,91 | +16,6 | +1 | −3 | 1828 | 37 33,9802 | 29 13,133 |
| Jun. 9 | −0,189 | + 1,0 | − 6,15 | +18,3 | +1 | −3 | 1829 | 37 36,6242 | 29 17,648 |
| 19 | −0,159 | + 4,9 | − 4,25 | +19,6 | 0 | −3 | 1830 | 37 39,2683 | 29 22,167 |
| 29 | −0,091 | + 8,7 | − 2,24 | +20,4 | 0 | −3 | | | |
| Jul. 9 | +0,014 | +12,2 | − 0,18 | +20,5 | 0 | −3 | | | |
| 19 | +0,153 | +15,5 | + 1,86 | +20,0 | −1 | −3 | | | |
| 29 | +0,323 | +18,4 | + 3,32 | +18,9 | −1 | −3 | | | |
| Aug. 8 | +0,521 | +21,0 | + 5,63 | +17,0 | −1 | −3 | | | |
| 18 | +0,742 | +23,2 | + 7,22 | +14,6 | −2 | −3 | | | |
| 28 | +0,984 | +25,1 | + 8,54 | +11,4 | −2 | −3 | | | |
| Sept. 7 | +1,244 | +26,7 | + 9,50 | + 7,7 | −2 | −3 | | | |
| 17 | +1,517 | +27,8 | +10,08 | + 3,7 | −2 | −3 | | | |
| 27 | +1,800 | +28,7 | +10,23 | − 0,8 | −2 | −3 | | | |
| Oct. 7 | +2,090 | +29,1 | + 9,93 | − 5,2 | −2 | −3 | | | |
| 17 | +2,381 | +29,0 | + 9,19 | − 9,5 | −2 | −2 | | | |
| 27 | +2,670 | +28,5 | + 8,03 | −13,6 | −2 | −2 | | | |
| Nov. 6 | +2,950 | +27,3 | + 6,48 | −17,2 | −2 | −2 | | | |
| 16 | +3,216 | +25,6 | + 4,59 | −20,2 | −2 | −2 | | | |
| 26 | +3,461 | +23,1 | + 2,44 | −22,4 | −1 | −2 | | | |
| Dec. 6 | +3,678 | +20,0 | + 0,11 | −23,9 | −1 | −2 | | | |
| 16 | +3,861 | +16,3 | − 2,33 | −24,5 | −1 | −2 | | | |
| 26 | +4,004 | +12,1 | − 4,78 | −24,2 | 0 | −2 | | | |
| 36 | +4,102 | + 7,4 | − 7,16 | −23,4 | 0 | −3 | | | |

Diei reducto addendum est:

ante } Jun. 30 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *a Geminorum.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1810 | Jan. 0 | 7 22 27,512 | +32 17 23,91 |
| | Apr. 10 | 27,392 | 23,88 |
| | Jul. 19 | 27,271 | 23,93 |
| | Oct. 27 | 27,149 | 24,06 |
| | Dec. 66 | 27,027 | 24,26 |
| 1811 | Jan. 0 | 7 22 30,912 | +32 17 17,05 |
| | Apr. 10 | 30,790 | 17,30 |
| | Jul. 19 | 30,672 | 17,62 |
| | Oct. 27 | 30,557 | 18,01 |
| | Dec. 66 | 30,445 | 18,47 |
| 1812 | Jan. 1 | 7 22 34,326 | +32 17 11,17 |
| | Apr. 10 | 34,218 | 11,67 |
| | Jul. 19 | 34,116 | 12,22 |
| | Oct. 27 | 34,021 | 12,83 |
| | Dec. 66 | 33,933 | 13,49 |
| 1813 | Jan. 0 | 7 22 37,807 | +32 17 6,12 |
| | Apr. 10 | 37,724 | 6,80 |
| | Jul. 19 | 37,651 | 7,52 |
| | Oct. 27 | 37,588 | 8,27 |
| | Dec. 66 | 37,534 | 9,06 |
| 1814 | Jan. 0 | 7 22 41,395 | +32 17 1,64 |
| | Apr. 10 | 41,348 | 2,43 |
| | Jul. 19 | 41,312 | 3,23 |
| | Oct. 27 | 41,287 | 4,03 |
| | Dec. 66 | 41,272 | 4,84 |
| 1815 | Jan. 0 | 7 22 45,120 | +32 16 57,41 |
| | Apr. 10 | 45,113 | 58,21 |
| | Jul. 19 | 45,118 | 59,00 |
| | Oct. 27 | 45,133 | 59,76 |
| | Dec. 66 | 45,159 | 17 0,51 |
| 1816 | Jan. 1 | 7 22 48,993 | +32 16 53,10 |
| | Apr. 10 | 49,026 | 53,82 |
| | Jul. 19 | 49,069 | 54,50 |
| | Oct. 27 | 49,122 | 55,15 |
| | Dec. 66 | 49,185 | 55,75 |
| 1817 | Jan. 0 | 7 22 53,007 | +32 16 48,38 |
| | Apr. 10 | 53,076 | 48,94 |
| | Jul. 19 | 53,152 | 49,45 |
| | Oct. 27 | 53,236 | 49,90 |
| | Dec. 66 | 53,327 | 50,29 |
| 1818 | Jan. 0 | 7 22 57,139 | +32 16 42,99 |
| | Apr. 10 | 57,235 | 43,34 |
| | Jul. 19 | 57,336 | 43,62 |
| | Oct. 27 | 57,442 | 43,83 |
| | Dec. 66 | 57,552 | 43,98 |
| 1819 | Jan. 0 | 7 23 1,358 | +32 16 36,75 |
| | Apr. 10 | 1,470 | 36,85 |
| | Jul. 19 | 1,584 | 36,87 |
| | Oct. 27 | 1,700 | 36,83 |
| | Dec. 66 | 1,818 | 36,71 |
| 1820 | Jan. 1 | 7 23 5,622 | +32 16 29,57 |
| | Apr. 10 | 5,739 | 29,40 |
| | Jul. 19 | 5,854 | 29,17 |
| | Oct. 27 | 5,968 | 28,87 |
| | Dec. 66 | 6,079 | 28,51 |
| 1821 | Jan. 0 | 7 23 9,886 | +32 16 21,45 |
| | Apr. 10 | 9,995 | 21,04 |
| | Jul. 19 | 10,099 | 20,58 |
| | Oct. 27 | 10,198 | 20,05 |
| | Dec. 66 | 10,293 | 19,48 |
| 1822 | Jan. 0 | 7 23 14,105 | +32 16 12,48 |
| | Apr. 10 | 14,195 | 11,87 |
| | Jul. 19 | 14,277 | 11,23 |
| | Oct. 27 | 14,352 | 10,54 |
| | Dec. 66 | 14,419 | 9,81 |
| 1823 | Jan. 0 | 7 23 18,241 | +32 16 2,86 |
| | Apr. 10 | 18,301 | 2,11 |
| | Jul. 19 | 18,352 | 1,35 |
| | Oct. 27 | 18,393 | 0,57 |
| | Dec. 66 | 18,425 | 15 59,77 |
| 1824 | Jan. 1 | 7 23 22,259 | +32 15 52,83 |
| | Apr. 10 | 22,283 | 52,03 |
| | Jul. 19 | 22,297 | 51,23 |
| | Oct. 27 | 22,299 | 50,44 |
| | Dec. 66 | 22,291 | 49,65 |
| 1825 | Jan. 0 | 7 23 26,138 | +32 15 42,70 |
| | Apr. 10 | 26,122 | 41,93 |
| | Jul. 19 | 26,096 | 41,19 |
| | Oct. 27 | 26,059 | 40,48 |
| | Dec. 66 | 26,011 | 39,80 |
| 1826 | Jan. 0 | 7 23 29,872 | +32 15 32,80 |
| | Apr. 10 | 29,817 | 32,15 |
| | Jul. 19 | 29,753 | 31,56 |
| | Oct. 27 | 29,679 | 31,01 |
| | Dec. 66 | 29,596 | 30,52 |
| 1827 | Jan. 0 | 7 23 33,468 | +32 15 23,45 |
| | Apr. 10 | 33,379 | 23,00 |
| | Jul. 19 | 33,284 | 22,62 |
| | Oct. 27 | 33,182 | 22,31 |
| | Dec. 66 | 33,074 | 22,06 |
| 1828 | Jan. 1 | 7 23 36,954 | +32 15 14,91 |
| | Apr. 10 | 36,842 | 14,72 |
| | Jul. 19 | 36,726 | 14,60 |
| | Oct. 27 | 36,608 | 14,56 |
| | Dec. 66 | 36,486 | 14,59 |
| 1829 | Jan. 0 | 7 23 40,370 | +32 15 7,33 |
| | Apr. 10 | 40,247 | 7,42 |
| | Jul. 19 | 40,125 | 7,58 |
| | Oct. 27 | 40,004 | 7,82 |
| | Dec. 66 | 39,884 | 8,13 |

## Tabulae X. Sect. IV. *α Geminorum.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,579 | +18,7 | − 3,94 | + 3,4 | −1 | −3 |
| 10 | +1,739 | +13,2 | − 3,51 | + 5,1 | −1 | −3 |
| 20 | +1,843 | + 7,4 | − 2,92 | + 6,5 | 0 | −3 |
| 30 | +1,887 | + 1,5 | − 2,22 | + 7,4 | +1 | −4 |
| Febr. 9 | +1,873 | − 4,1 | − 1,44 | + 7,9 | +1 | −4 |
| 19 | +1,806 | − 9,1 | − 0,64 | + 7,9 | +2 | −4 |
| Mart. 1 | +1,691 | −13,4 | + 0,14 | + 7,5 | +3 | −3 |
| 11 | +1,539 | −16,6 | + 0,85 | + 6,5 | +3 | −3 |
| 21 | +1,360 | −18,7 | + 1,44 | + 5,3 | +3 | −3 |
| 31 | +1,166 | −19,5 | + 1,90 | + 3,8 | +4 | −2 |
| Apr. 10 | +0,970 | −19,2 | + 2,19 | + 2,1 | +4 | −2 |
| 20 | +0,783 | −17,8 | + 2,32 | + 0,4 | +4 | −2 |
| 30 | +0,614 | −15,5 | + 2,27 | − 1,2 | +4 | −1 |
| Maj. 10 | +0,474 | −12,3 | + 2,08 | − 2,7 | +3 | −1 |
| 20 | +0,368 | − 8,7 | + 1,74 | − 4,0 | +3 | −1 |
| 30 | +0,301 | − 4,6 | + 1,28 | − 5,1 | +3 | 0 |
| Jun. 9 | +0,277 | − 0,3 | + 0,73 | − 5,9 | +2 | 0 |
| 19 | +0,295 | + 4,0 | + 0,11 | − 6,5 | +1 | 0 |
| 29 | +0,356 | + 8,2 | − 0,57 | − 7,0 | +1 | 0 |
| Jul. 9 | +0,458 | +12,1 | − 1,28 | − 7,2 | 0 | 0 |
| 19 | +0,598 | +15,8 | − 2,01 | − 7,4 | −1 | 0 |
| 29 | +0,773 | +19,1 | − 2,75 | − 7,5 | −1 | 0 |
| Aug. 8 | +0,980 | +22,2 | − 3,50 | − 7,6 | −2 | 0 |
| 18 | +1,216 | +24,9 | − 4,27 | − 7,7 | −3 | −1 |
| 28 | +1,477 | +27,3 | − 5,04 | − 7,8 | −3 | −1 |
| Sept. 7 | +1,761 | +29,5 | − 5,82 | − 7,8 | −4 | −1 |
| 17 | +2,066 | +31,3 | − 6,60 | − 7,9 | −4 | −2 |
| 27 | +2,387 | +32,9 | − 7,39 | − 7,8 | −5 | −2 |
| Oct. 7 | +2,723 | +34,2 | − 8,16 | − 7,7 | −5 | −3 |
| 17 | +3,070 | +35,0 | − 8,92 | − 7,3 | −5 | −4 |
| 27 | +3,423 | +35,4 | − 9,62 | − 6,7 | −5 | −4 |
| Nov. 6 | +3,777 | +35,1 | −10,25 | − 5,8 | −5 | −5 |
| 16 | +4,125 | +34,2 | −10,77 | − 4,6 | −5 | −6 |
| 26 | +4,460 | +32,4 | −11,17 | − 3,2 | −5 | −6 |
| Dec. 6 | +4,773 | +29,7 | −11,40 | − 1,4 | −4 | −7 |
| 16 | +5,054 | +26,1 | −11,45 | + 0,5 | −4 | −7 |
| 26 | +5,295 | +21,8 | −11,31 | + 2,3 | −3 | −8 |
| 36 | +5,489 | +16,7 | −10,99 | + 4,1 | −2 | −8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 7 22 27,1896 | +32 17 32,691 |
| 1811 | 22 31,0344 | 17 25,551 |
| 1812 | 22 34,8790 | 17 18,405 |
| 1813 | 22 38,7235 | 17 11,254 |
| 1814 | 22 42,5679 | 17 4,098 |
| 1815 | 22 46,4122 | 16 56,936 |
| 1816 | 22 50,2563 | 16 49,769 |
| 1817 | 22 54,1003 | 16 42,597 |
| 1818 | 22 57,9442 | 16 35,420 |
| 1819 | 23 1,7880 | 16 28,238 |
| 1820 | 23 5,6317 | 16 21,050 |
| 1821 | 23 9,4752 | 16 13,857 |
| 1822 | 23 13,3186 | 16 6,659 |
| 1823 | 23 17,1619 | 15 59,455 |
| 1824 | 23 21,0050 | 15 52,246 |
| 1825 | 23 24,8480 | 15 45,031 |
| 1826 | 23 28,6909 | 15 37,812 |
| 1827 | 23 32,5337 | 15 30,587 |
| 1828 | 23 36,3763 | 15 23,357 |
| 1829 | 23 40,2188 | 15 16,122 |
| 1830 | 23 44,0612 | 15 8,881 |

Diei reducto addendum est:

ante } Jul. 11 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. α *Canis minoris.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 7h 29′ 21″,312 | + 5° 41′ 58″,73 | 1820 | Jan. 1 | 7h 29′ 52″,342 | + 5° 40′ 48″,76 |
| | Apr. 10 | 21,215 | 58,72 | | Apr. 10 | 52,438 | 48,58 |
| | Jul. 19 | 21,117 | 58,79 | | Jul. 19 | 52,534 | 48,34 |
| | Oct. 27 | 21,017 | 58,94 | | Oct. 27 | 52,628 | 48,02 |
| | Dec. 66 | 20,916 | 59,16 | | Dec. 66 | 52,722 | 47,64 |
| 1811 | Jan. 0 | 7 29 24,097 | + 5 41 50,38 | 1821 | Jan. 0 | 7 29 55,838 | + 5 40 39,04 |
| | Apr. 10 | 23,996 | 50,65 | | Apr. 10 | 55,931 | 38,62 |
| | Jul. 19 | 23,897 | 50,99 | | Jul. 19 | 56,020 | 38,14 |
| | Oct. 27 | 23,800 | 51,39 | | Oct. 27 | 56,106 | 37,61 |
| | Dec. 66 | 23,705 | 51,87 | | Dec. 66 | 56,188 | 37,02 |
| 1812 | Jan. 1 | 7 29 26,884 | + 5 41 43,00 | 1822 | Jan. 0 | 7 29 59,308 | + 5 40 28,48 |
| | Apr. 10 | 26,791 | 43,51 | | Apr. 10 | 59,387 | 27,87 |
| | Jul. 19 | 26,703 | 44,08 | | Jul. 19 | 59,460 | 27,21 |
| | Oct. 27 | 26,620 | 44,70 | | Oct. 27 | 59,527 | 26,52 |
| | Dec. 66 | 26,542 | 45,37 | | Dec. 66 | 59,589 | 25,79 |
| 1813 | Jan. 0 | 7 29 29,715 | + 5 41 36,43 | 1823 | Jan. 0 | 7 30 2,716 | + 5 40 17,29 |
| | Apr. 10 | 29,641 | 37,13 | | Apr. 10 | 2,773 | 16,54 |
| | Jul. 19 | 29,575 | 37,86 | | Jul. 19 | 2,822 | 15,78 |
| | Oct. 27 | 29,516 | 38,61 | | Oct. 27 | 2,863 | 15,00 |
| | Dec. 66 | 29,465 | 39,39 | | Dec. 66 | 2,897 | 14,20 |
| 1814 | Jan. 0 | 7 29 32,629 | + 5 41 30,42 | 1824 | Jan. 1 | 7 30 6,034 | + 5 40 5,71 |
| | Apr. 10 | 32,583 | 31,21 | | Apr. 10 | 6,061 | 4,91 |
| | Jul. 19 | 32,545 | 32,01 | | Jul. 19 | 6,080 | 4,12 |
| | Oct. 27 | 32,517 | 32,81 | | Oct. 27 | 6,090 | 3,34 |
| | Dec. 66 | 32,497 | 33,61 | | Dec. 66 | 6,092 | 2,57 |
| 1815 | Jan. 0 | 7 29 35,650 | + 5 41 24,63 | 1825 | Jan. 0 | 7 30 9,240 | + 5 39 54,07 |
| | Apr. 10 | 35,636 | 25,43 | | Apr. 10 | 9,235 | 53,31 |
| | Jul. 19 | 35,632 | 26,21 | | Jul. 19 | 9,221 | 52,58 |
| | Oct. 27 | 35,636 | 26,96 | | Oct. 27 | 9,198 | 51,88 |
| | Dec. 66 | 35,650 | 27,70 | | Dec. 66 | 9,167 | 51,21 |
| 1816 | Jan. 1 | 7 29 38,792 | + 5 41 18,73 | 1826 | Jan. 0 | 7 30 12,325 | + 5 39 42,67 |
| | Apr. 10 | 38,811 | 19,45 | | Apr. 10 | 12,288 | 42,04 |
| | Jul. 19 | 38,839 | 20,12 | | Jul. 19 | 12,242 | 41,46 |
| | Oct. 27 | 38,875 | 20,75 | | Oct. 27 | 12,188 | 40,93 |
| | Dec. 66 | 38,920 | 21,33 | | Dec. 66 | 12,126 | 40,45 |
| 1817 | Jan. 0 | 7 29 42,051 | + 5 41 12,42 | 1827 | Jan. 0 | 7 30 15,294 | + 5 39 31,84 |
| | Apr. 10 | 42,101 | 12,98 | | Apr. 10 | 15,227 | 31,41 |
| | Jul. 19 | 42,158 | 13,46 | | Jul. 19 | 15,154 | 31,05 |
| | Oct. 27 | 42,221 | 13,87 | | Oct. 27 | 15,075 | 30,75 |
| | Dec. 66 | 42,291 | 14,20 | | Dec. 66 | 14,990 | 30,53 |
| 1818 | Jan. 0 | 7 29 45,414 | + 5 41 5,36 | 1828 | Jan. 1 | 7 30 18,166 | + 5 39 21,83 |
| | Apr. 10 | 45,488 | 5,73 | | Apr. 10 | 18,077 | 21,65 |
| | Jul. 19 | 45,567 | 6,01 | | Jul. 19 | 17,985 | 21,55 |
| | Oct. 27 | 45,650 | 6,21 | | Oct. 27 | 17,890 | 21,58 |
| | Dec. 66 | 45,738 | 6,33 | | Dec. 66 | 17,791 | 21,58 |
| 1819 | Jan. 0 | 7 29 48,855 | + 5 40 57,56 | 1829 | Jan. 0 | 7 30 20,971 | + 5 39 12,79 |
| | Apr. 10 | 48,945 | 57,64 | | Apr. 10 | 20,871 | 12,89 |
| | Jul. 19 | 49,037 | 57,65 | | Jul. 19 | 20,771 | 13,07 |
| | Oct. 27 | 49,131 | 57,58 | | Oct. 27 | 20,671 | 13,32 |
| | Dec. 66 | 49,227 | 57,44 | | Dec. 66 | 20,571 | 13,65 |

## Tabulae X. Sect. IV. *α Canis minoris.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,338 | +16,0 | − 2,36 | −13,3 | −1 | 0 |
| 10 | +1,476 | +11,4 | − 3,62 | −11,8 | 0 | 0 |
| 20 | +1,565 | + 6,4 | − 4,72 | −10,2 | 0 | −1 |
| 30 | +1,604 | + 1,4 | − 5,65 | − 8,4 | −1 | −1 |
| Febr. 9 | +1,593 | − 3,4 | − 6,39 | − 6,5 | −1 | −1 |
| 19 | +1,536 | − 7,7 | − 6,95 | − 4,8 | −2 | −1 |
| Mart. 1 | +1,440 | −11,3 | − 7,35 | − 3,2 | +2 | −2 |
| 11 | +1,311 | −14,1 | − 7,59 | − 1,7 | +2 | −2 |
| 21 | +1,159 | −15,9 | − 7,69 | − 0,4 | +3 | −2 |
| 31 | +0,994 | −16,6 | − 7,66 | + 0,8 | +3 | −2 |
| Apr. 10 | +0,827 | −16,4 | − 7,53 | + 1,9 | +3 | −2 |
| 20 | +0,666 | −15,3 | − 7,29 | + 2,9 | +3 | −2 |
| 30 | +0,521 | −13,4 | − 6,96 | + 3,7 | +3 | −2 |
| Maj. 10 | +0,398 | −10,9 | − 6,55 | + 4,6 | +2 | −2 |
| 20 | +0,303 | − 7,9 | − 6,04 | + 5,4 | +2 | −2 |
| 30 | +0,240 | − 4,6 | − 5,48 | + 6,1 | +2 | −2 |
| Jun. 9 | +0,212 | − 1,1 | − 4,82 | + 6,8 | +1 | −2 |
| 19 | +0,219 | + 2,5 | − 4,12 | + 7,3 | +1 | −2 |
| 29 | +0,261 | + 5,9 | − 3,36 | + 7,7 | +1 | −2 |
| Jul. 9 | +0,336 | + 9,2 | − 2,59 | + 7,7 | 0 | −2 |
| 19 | +0,444 | +12,3 | − 1,83 | + 7,4 | 0 | −2 |
| 29 | +0,581 | +15,1 | − 1,11 | + 6,9 | −1 | −2 |
| Aug. 8 | +0,745 | +17,7 | − 0,45 | + 6,0 | −1 | −2 |
| 18 | +0,935 | +20,1 | + 0,08 | + 4,6 | −2 | −2 |
| 28 | +1,147 | +22,3 | + 0,47 | + 3,0 | −2 | −2 |
| Sept. 7 | +1,380 | +24,3 | + 0,67 | + 0,9 | −2 | −2 |
| 17 | +1,632 | +26,0 | + 0,65 | − 1,4 | −3 | −2 |
| 27 | +1,900 | +27,5 | + 0,40 | − 3,8 | −3 | −2 |
| Oct. 7 | +2,182 | +28,7 | − 0,10 | − 6,3 | −3 | −2 |
| 17 | +2,474 | +29,6 | − 0,85 | − 8,7 | −3 | −3 |
| 27 | +2,774 | +30,1 | − 1,83 | −10,8 | −3 | −3 |
| Nov. 6 | +3,075 | +29,9 | − 3,00 | −12,6 | −3 | −3 |
| 16 | +3,372 | +28,9 | − 4,34 | −14,0 | −3 | −3 |
| 26 | +3,659 | +27,8 | − 5,79 | −14,8 | −3 | −3 |
| Dec. 6 | +3,927 | +25,5 | − 7,30 | −15,1 | −2 | −4 |
| 16 | +4,169 | +22,5 | − 8,80 | −14,8 | −2 | −4 |
| 26 | +4,377 | +18,7 | −10,25 | −14,0 | −2 | −4 |
| 36 | +4,542 | +14,3 | −11,59 | −12,8 | −1 | −5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 7 29 20,9624 | + 5 42 7,480 |
| 1811 | 29 24,1100 | 41 58,783 |
| 1812 | 29 27,2576 | 41 50,082 |
| 1813 | 29 30,4051 | 41 41,377 |
| 1814 | 29 33,5526 | 41 32,667 |
| 1815 | 29 36,7000 | 41 23,953 |
| 1816 | 29 39,8474 | 41 15,235 |
| 1817 | 29 42,9948 | 41 6,513 |
| 1818 | 29 46,1421 | 40 57,787 |
| 1819 | 29 49,2894 | 40 49,056 |
| 1820 | 29 52,4366 | 40 40,320 |
| 1821 | 29 55,5838 | 40 31,581 |
| 1822 | 29 58,7309 | 40 22,838 |
| 1823 | 30 1,8780 | 40 14,091 |
| 1824 | 30 5,0250 | 40 5,339 |
| 1825 | 30 8,1720 | 39 56,583 |
| 1826 | 30 11,3189 | 39 47,823 |
| 1827 | 30 14,4658 | 39 39,059 |
| 1828 | 30 17,6127 | 39 30,291 |
| 1829 | 30 20,7595 | 39 21,518 |
| 1830 | 30 23,9063 | 39 12,741 |

Diei reducto addendum est:

ante } Jul. 12 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. β *Geminorum.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 7 33 40,667 | +28 28 17,43 | 1820 | Jan. 1 | 7 34 17,209 | +28 27 13,93 |
| | Apr. 10 | 40,551 | 17,44 | | Apr. 10 | 17,322 | 13,74 |
| | Jul. 19 | 40,434 | 17,52 | | Jul. 19 | 17,434 | 13,48 |
| | Oct. 27 | 40,316 | 17,67 | | Oct. 27 | 17,543 | 13,16 |
| | Dec. 66 | 40,197 | 17,90 | | Dec. 66 | 17,651 | 12,77 |
| 1811 | Jan. 0 | 7 33 43,924 | +28 28 9,77 | 1821 | Jan. 0 | 7 34 21,301 | +28 27 4,82 |
| | Apr. 10 | 43,806 | 10,05 | | Apr. 10 | 21,406 | 4,39 |
| | Jul. 19 | 43,691 | 10,40 | | Jul. 19 | 21,507 | 3,90 |
| | Oct. 27 | 43,580 | 10,82 | | Oct. 27 | 21,603 | 3,36 |
| | Dec. 66 | 43,472 | 11,31 | | Dec. 66 | 21,695 | 2,77 |
| 1812 | Jan. 1 | 7 33 47,194 | +28 28 3,10 | 1822 | Jan. 0 | 7 34 25,350 | +28 26 54,88 |
| | Apr. 10 | 47,089 | 3,62 | | Apr. 10 | 25,437 | 54,26 |
| | Jul. 19 | 46,991 | 4,19 | | Jul. 19 | 25,517 | 53,60 |
| | Oct. 27 | 46,899 | 4,81 | | Oct. 27 | 25,589 | 52,90 |
| | Dec. 66 | 46,814 | 5,49 | | Dec. 66 | 25,654 | 52,17 |
| 1813 | Jan. 0 | 7 33 50,528 | +28 27 57,21 | 1823 | Jan. 0 | 7 34 29,318 | +28 26 44,32 |
| | Apr. 10 | 50,448 | 57,91 | | Apr. 10 | 29,377 | 43,57 |
| | Jul. 19 | 50,378 | 58,64 | | Jul. 19 | 29,427 | 42,81 |
| | Oct. 27 | 50,317 | 59,39 | | Oct. 27 | 29,467 | 42,03 |
| | Dec. 66 | 50,264 | 28 0,17 | | Dec. 66 | 29,497 | 41,23 |
| 1814 | Jan. 0 | 7 33 53,967 | +28 27 51,86 | 1824 | Jan. 1 | 7 34 33,173 | +28 26 33,40 |
| | Apr. 10 | 53,922 | 52,65 | | Apr. 10 | 33,197 | 32,60 |
| | Jul. 19 | 53,887 | 53,45 | | Jul. 19 | 33,210 | 31,81 |
| | Oct. 27 | 53,862 | 54,24 | | Oct. 27 | 33,212 | 31,03 |
| | Dec. 66 | 53,848 | 55,04 | | Dec. 66 | 33,204 | 30,26 |
| 1815 | Jan. 0 | 7 33 57,538 | +28 27 46,72 | 1825 | Jan. 0 | 7 34 36,893 | +28 26 22,41 |
| | Apr. 10 | 57,532 | 47,51 | | Apr. 10 | 36,878 | 21,65 |
| | Jul. 19 | 57,536 | 48,28 | | Jul. 19 | 36,853 | 20,93 |
| | Oct. 27 | 57,550 | 49,03 | | Oct. 27 | 36,817 | 20,24 |
| | Dec. 66 | 57,575 | 49,76 | | Dec. 66 | 36,771 | 19,59 |
| 1816 | Jan. 1 | 7 34 1,252 | +28 27 41,45 | 1826 | Jan. 0 | 7 34 40,472 | +28 26 11,69 |
| | Apr. 10 | 1,284 | 42,16 | | Apr. 10 | 40,420 | 11,06 |
| | Jul. 19 | 1,326 | 42,82 | | Jul. 19 | 40,358 | 10,49 |
| | Oct. 27 | 1,377 | 43,44 | | Oct. 27 | 40,287 | 9,98 |
| | Dec. 66 | 1,438 | 44,01 | | Dec. 66 | 40,206 | 9,52 |
| 1817 | Jan. 0 | 7 34 5,102 | +28 27 35,76 | 1827 | Jan. 0 | 7 34 43,919 | +28 26 1,54 |
| | Apr. 10 | 5,169 | 36,29 | | Apr. 10 | 43,833 | 1,12 |
| | Jul. 19 | 5,243 | 36,77 | | Jul. 19 | 43,741 | 0,77 |
| | Oct. 27 | 5,324 | 37,21 | | Oct. 27 | 43,643 | 0,49 |
| | Dec. 66 | 5,412 | 37,59 | | Dec. 66 | 43,538 | 0,28 |
| 1818 | Jan. 0 | 7 34 9,068 | +28 27 29,40 | 1828 | Jan. 1 | 7 34 47,258 | +28 25 52,22 |
| | Apr. 10 | 9,161 | 29,70 | | Apr. 10 | 47,150 | 52,06 |
| | Jul. 19 | 9,259 | 29,93 | | Jul. 19 | 47,038 | 51,97 |
| | Oct. 27 | 9,361 | 30,11 | | Oct. 27 | 46,924 | 51,96 |
| | Dec. 66 | 9,467 | 30,23 | | Dec. 66 | 46,806 | 52,03 |
| 1819 | Jan. 0 | 7 34 13,117 | +28 27 22,12 | 1829 | Jan. 0 | 7 34 50,530 | +28 25 43,87 |
| | Apr. 10 | 13,226 | 22,19 | | Apr. 10 | 50,412 | 43,99 |
| | Jul. 19 | 13,336 | 22,18 | | Jul. 19 | 50,294 | 44,18 |
| | Oct. 27 | 13,448 | 22,09 | | Oct. 27 | 50,177 | 44,44 |
| | Dec. 66 | 13,561 | 21,96 | | Dec. 66 | 50,060 | 44,78 |

## Tabulae X. Sect. IV. β *Geminorum.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,501 | +19,2 | — 4,20 | + 0,6 | —1 | —2 |
| 10 | +1,668 | +14,0 | — 4,04 | + 2,4 | —1 | —3 |
| 20 | +1,780 | + 8,3 | — 3,72 | + 4,0 | 0 | —3 |
| 30 | +1,834 | + 2,6 | — 3,25 | + 5,2 | +1 | —3 |
| Febr. 9 | +1,832 | — 2,8 | — 2,68 | + 6,1 | +1 | —3 |
| 19 | +1,778 | — 7,8 | — 2,04 | + 6,5 | +2 | —3 |
| Mart. 1 | +1,676 | —12,1 | — 1,39 | + 6,4 | +2 | —3 |
| 11 | +1,537 | —15,3 | — 0,76 | + 6,0 | +3 | —3 |
| 21 | +1,370 | —17,5 | — 0,20 | + 5,2 | +3 | —3 |
| 31 | +1,187 | —18,5 | + 0,27 | + 4,1 | +3 | —2 |
| Apr. 10 | +1,000 | —18,4 | + 0,61 | + 2,8 | +4 | —2 |
| 20 | +0,819 | —17,3 | + 0,82 | + 1,5 | +4 | —2 |
| 30 | +0,655 | —15,2 | + 0,90 | + 0,2 | +3 | —1 |
| Maj. 10 | +0,515 | —12,4 | + 0,85 | — 1,0 | +3 | —1 |
| 20 | +0,407 | — 9,0 | + 0,70 | — 2,2 | +3 | —1 |
| 30 | +0,335 | — 5,2 | + 0,42 | — 3,2 | +2 | —1 |
| Jun. 9 | +0,303 | — 1,2 | + 0,07 | — 3,9 | +2 | 0 |
| 19 | +0,311 | + 2,8 | — 0,35 | — 4,5 | +1 | 0 |
| 29 | +0,358 | + 6,7 | — 0,82 | — 4,9 | +1 | 0 |
| Jul. 9 | +0,445 | +10,5 | — 1,32 | — 5,3 | 0 | 0 |
| 19 | +0,567 | +14,0 | — 1,87 | — 5,6 | 0 | 0 |
| 29 | +0,724 | +17,3 | — 2,44 | — 5,9 | —1 | 0 |
| Aug. 8 | +0,912 | +20,2 | — 3,04 | — 6,2 | —2 | 0 |
| 18 | +1,127 | +22,9 | — 3,68 | — 6,6 | —2 | —1 |
| 28 | +1,369 | +25,3 | — 4,35 | — 7,0 | —3 | —1 |
| Sept. 7 | +1,633 | +27,5 | — 5,07 | — 7,4 | —3 | —1 |
| 17 | +1,919 | +29,5 | — 5,83 | — 7,8 | —4 | —2 |
| 27 | +2,222 | +31,1 | — 6,63 | — 8,1 | —4 | —2 |
| Oct. 7 | +2,541 | +32,6 | — 7,45 | — 8,4 | —5 | —3 |
| 17 | +2,873 | +33,6 | — 8,30 | — 8,5 | —5 | —3 |
| 27 | +3,213 | +34,2 | — 9,14 | — 8,2 | —5 | —4 |
| Nov. 6 | +3,556 | +34,2 | — 9,94 | — 7,7 | —5 | —4 |
| 16 | +3,896 | +33,5 | —10,68 | — 6,9 | —5 | —5 |
| 26 | +4,225 | +31,9 | —11,31 | — 5,6 | —4 | —5 |
| Dec. 6 | +4,534 | +29,5 | —11,80 | — 4,2 | —4 | —6 |
| 16 | +4,814 | +26,2 | —12,14 | — 2,5 | —4 | —7 |
| 26 | +5,058 | +22,1 | —12,29 | — 0,6 | —3 | —7 |
| 36 | +5,256 | +17,3 | —12,25 | + 1,4 | —2 | —7 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 7 33 40,3554 | +28 28 26,161 |
| 1811 | 33 44,0422 | 28 18,121 |
| 1812 | 33 47,7289 | 28 10,076 |
| 1813 | 33 51,4155 | 28 2,026 |
| 1814 | 33 55,1020 | 27 53,971 |
| 1815 | 33 58,7883 | 27 45,911 |
| 1816 | 34 2,4745 | 27 37,846 |
| 1817 | 34 6,1606 | 27 29,777 |
| 1818 | 34 9,8466 | 27 21,703 |
| 1819 | 34 13,5325 | 27 13,624 |
| 1820 | 34 17,2182 | 27 5,540 |
| 1821 | 34 20,9038 | 26 57,451 |
| 1822 | 34 24,5893 | 26 49,357 |
| 1823 | 34 28,2747 | 26 41,258 |
| 1824 | 34 31,9599 | 26 33,154 |
| 1825 | 34 35,6450 | 26 25,045 |
| 1826 | 34 39,3300 | 26 16,931 |
| 1827 | 34 43,0149 | 26 8,812 |
| 1828 | 34 46,6997 | 26 0,689 |
| 1829 | 34 50,3843 | 25 52,561 |
| 1830 | 34 54,0688 | 25 44,428 |

Diei reducto addendum est:

ante } Jul. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. α *Hydrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 9 18 15,344 | — 7 50 36,37 | 1820 | Jan. 1 | 9 18 44,247 | — 7 52 55,41 |
| | Apr. 10 | 15,256 | 36,08 | | Apr. 10 | 44,335 | 55,83 |
| | Jul. 19 | 15,167 | 35,73 | | Jul. 19 | 44,424 | 56,30 |
| | Oct. 27 | 15,076 | 35,32 | | Oct. 27 | 44,512 | 56,81 |
| | Dec. 66 | 14,983 | 34,85 | | Dec. 66 | 44,600 | 57,37 |
| 1811 | Jan. 0 | 9 18 17,962 | — 7 50 50,26 | 1821 | Jan. 0 | 9 18 47,519 | — 7 53 12,46 |
| | Apr. 10 | 17,868 | 49,76 | | Apr. 10 | 47,606 | 13,04 |
| | Jul. 19 | 17,775 | 49,21 | | Jul. 19 | 47,691 | 13,65 |
| | Oct. 27 | 17,683 | 48,62 | | Oct. 27 | 47,773 | 14,29 |
| | Dec. 66 | 17,593 | 47,99 | | Dec. 66 | 47,853 | 14,96 |
| 1812 | Jan. 1 | 9 18 20,571 | — 7 51 3,46 | 1822 | Jan. 0 | 9 18 50,774 | — 7 53 30,01 |
| | Apr. 10 | 20,482 | 2,81 | | Apr. 10 | 50,851 | 30,69 |
| | Jul. 19 | 20,397 | 2,14 | | Jul. 19 | 50,924 | 31,38 |
| | Oct. 27 | 20,317 | 1,45 | | Oct. 27 | 50,991 | 32,03 |
| | Dec. 66 | 20,240 | 0,73 | | Dec. 66 | 51,054 | 32,78 |
| 1813 | Jan. 0 | 9 18 23,213 | — 7 51 16,22 | 1823 | Jan. 0 | 9 18 53,981 | — 7 53 47,33 |
| | Apr. 10 | 23,139 | 15,50 | | Apr. 10 | 54,040 | 48,53 |
| | Jul. 19 | 23,072 | 14,78 | | Jul. 19 | 54,092 | 49,22 |
| | Oct. 27 | 23,012 | 14,06 | | Oct. 27 | 54,137 | 49,90 |
| | Dec. 66 | 22,958 | 13,35 | | Dec. 66 | 54,175 | 50,57 |
| 1814 | Jan. 0 | 9 18 25,923 | — 7 51 28,84 | 1824 | Jan. 1 | 9 18 57,110 | — 7 54 5,63 |
| | Apr. 10 | 25,873 | 28,14 | | Apr. 10 | 57,144 | 6,29 |
| | Jul. 19 | 25,832 | 27,46 | | Jul. 19 | 57,169 | 6,91 |
| | Oct. 27 | 25,798 | 26,80 | | Oct. 27 | 57,186 | 7,49 |
| | Dec. 66 | 25,772 | 26,17 | | Dec. 66 | 57,195 | 8,04 |
| 1815 | Jan. 0 | 9 18 28,727 | — 7 51 41,64 | 1825 | Jan. 0 | 9 19 0,140 | — 7 54 23,15 |
| | Apr. 10 | 28,707 | 41,03 | | Apr. 10 | 0,144 | 23,67 |
| | Jul. 19 | 28,695 | 40,46 | | Jul. 19 | 0,139 | 24,15 |
| | Oct. 27 | 28,691 | 39,94 | | Oct. 27 | 0,125 | 25,57 |
| | Dec. 66 | 28,696 | 39,46 | | Dec. 66 | 0,103 | 25,94 |
| 1816 | Jan. 1 | 9 18 31,641 | — 7 51 54,88 | 1826 | Jan. 0 | 9 19 3,059 | — 7 54 40,11 |
| | Apr. 10 | 31,652 | 54,44 | | Apr. 10 | 3,032 | 40,45 |
| | Jul. 19 | 31,670 | 54,05 | | Jul. 19 | 2,996 | 40,72 |
| | Oct. 27 | 31,697 | 53,72 | | Oct. 27 | 2,953 | 40,93 |
| | Dec. 66 | 31,731 | 53,44 | | Dec. 66 | 2,902 | 41,07 |
| 1817 | Jan. 0 | 9 18 34,666 | — 7 52 8,79 | 1827 | Jan. 0 | 9 19 5,867 | — 7 54 56,32 |
| | Apr. 10 | 34,705 | 8,55 | | Apr. 10 | 5,811 | 56,42 |
| | Jul. 19 | 34,751 | 8,38 | | Jul. 19 | 5,749 | 56,45 |
| | Oct. 27 | 34,804 | 8,27 | | Oct. 27 | 5,781 | 56,41 |
| | Dec. 66 | 34,864 | 8,22 | | Dec. 66 | 5,606 | 56,31 |
| 1818 | Jan. 0 | 9 18 37,790 | — 7 52 23,49 | 1828 | Jan. 1 | 9 19 8,579 | — 7 55 11,64 |
| | Apr. 10 | 37,854 | 23,48 | | Apr. 10 | 8,501 | 11,49 |
| | Jul. 19 | 37,922 | 23,54 | | Jul. 19 | 8,419 | 11,28 |
| | Oct. 27 | 37,995 | 23,66 | | Oct. 27 | 8,334 | 11,00 |
| | Dec. 66 | 38,072 | 23,84 | | Dec. 66 | 8,245 | 10,66 |
| 1819 | Jan. 0 | 9 18 40,993 | — 7 52 39,04 | 1829 | Jan. 0 | 9 19 11,[illegible]22 | — 7 55 26,08 |
| | Apr. 10 | 41,073 | 39,27 | | Apr. 10 | 11,[illegible]31 | 25,70 |
| | Jul. 19 | 41,156 | 39,55 | | Jul. 19 | 11,039 | 25,26 |
| | Oct. 27 | 41,241 | 39,88 | | Oct. 27 | 10,947 | 24,77 |
| | Dec. 66 | 41,329 | 40,27 | | Dec. 66 | 10,854 | 24,23 |

## Tabulae X. Sect. IV. *α Hydrae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,055 | +24,6 | + 0,01 | —22,5 | —2 | +2 |
| 10 | +1,283 | +20,7 | — 2,22 | —21,7 | —1 | +1 |
| 20 | +1,468 | +16,1 | — 4,33 | —20,3 | —1 | +1 |
| 30 | +1,605 | +11,2 | — 6,28 | —18,5 | 0 | +1 |
| Febr. 9 | +1,692 | + 6,3 | — 8,03 | —16,3 | 0 | 0 |
| 19 | +1,730 | + 1,5 | — 9,54 | —13,9 | +1 | 0 |
| Mart. 1 | +1,722 | — 2,9 | —10,81 | —11,4 | +1 | 0 |
| 11 | +1,672 | — 6,8 | —11,82 | — 8,9 | +1 | —1 |
| 21 | +1,587 | — 9,8 | —12,58 | — 6,5 | +2 | —1 |
| 31 | +1,476 | —12,0 | —13,11 | — 4,1 | +2 | —1 |
| Apr. 10 | +1,347 | —13,5 | —13,39 | — 1,8 | +2 | —2 |
| 20 | +1,207 | —14,1 | —13,46 | + 0,4 | +3 | —2 |
| 30 | +1,065 | —14,0 | —13,32 | + 2,4 | +3 | —2 |
| Maj. 10 | +0,928 | —13,2 | —12,99 | + 4,3 | +3 | —2 |
| 20 | +0,801 | —11,9 | —12,47 | + 6,0 | +3 | —2 |
| 30 | +0,690 | —10,2 | —11,79 | + 7,6 | +3 | —2 |
| Jun. 9 | +0,598 | — 8,1 | —10,96 | + 9,0 | +2 | —3 |
| 19 | +0,528 | — 5,9 | —10,00 | +10,1 | +2 | —3 |
| 29 | +0,481 | — 3,5 | — 8,94 | +11,1 | +2 | —3 |
| Jul. 9 | +0,459 | — 1,0 | — 7,79 | +11,7 | +1 | —3 |
| 19 | +0,462 | + 1,7 | — 6,61 | +11,8 | +1 | —3 |
| 29 | +0,492 | + 4,3 | — 5,43 | +11,6 | +1 | —3 |
| Aug. 8 | +0,548 | + 7,0 | — 4,29 | +10,9 | 0 | —2 |
| 18 | +0,632 | + 9,8 | — 3,25 | + 9,7 | 0 | —2 |
| 28 | +0,744 | +12,6 | — 2,35 | + 8,0 | —1 | —2 |
| Sept. 7 | +0,884 | +15,5 | — 1,66 | + 5,6 | —1 | —2 |
| 17 | +1,054 | +18,5 | — 1,23 | + 2,9 | —2 | —2 |
| 27 | +1,253 | +21,3 | — 1,09 | — 0,3 | —2 | —2 |
| Oct. 7 | +1,480 | +24,1 | — 1,28 | — 3,7 | —2 | —1 |
| 17 | +1,734 | +26,7 | — 1,82 | — 7,2 | —3 | —1 |
| 27 | +2,013 | +28,9 | — 2,72 | —10,7 | —3 | —1 |
| Nov. 6 | +2,311 | +30,5 | — 3,96 | —14,0 | —3 | —1 |
| 16 | +2,623 | +31,5 | — 5,52 | —17,0 | —3 | —1 |
| 26 | +2,941 | +31,7 | — 7,35 | —19,4 | —3 | —1 |
| Dec. 6 | +3,256 | +31,0 | — 9,40 | —21,2 | —3 | —1 |
| 16 | +3,560 | +29,3 | —11,59 | —22,3 | —3 | —1 |
| 26 | +3,842 | +26,7 | —13,85 | —22,6 | —2 | —1 |
| 36 | +4,093 | +23,2 | —16,11 | —22,3 | —2 | —1 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 9 18 14,9415 | — 7 50 29,086 |
| 1811 | 18 17,8891 | 50 44,333 |
| 1812 | 18 20,8367 | 50 59,583 |
| 1813 | 18 23,7843 | 51 14,835 |
| 1814 | 18 26,7319 | 51 30,091 |
| 1815 | 18 29,6794 | 51 45,349 |
| 1816 | 18 32,6269 | 52 0,609 |
| 1817 | 18 35,5744 | 52 15,873 |
| 1818 | 18 38,5219 | 52 31,139 |
| 1819 | 18 41,4694 | 52 46,408 |
| 1820 | 18 44,4169 | 53 1,680 |
| 1821 | 18 47,3643 | 53 16,954 |
| 1822 | 18 50,3117 | 53 32,231 |
| 1823 | 18 53,2591 | 53 47,511 |
| 1824 | 18 56,2065 | 54 2,794 |
| 1825 | 18 59,1540 | 54 18,079 |
| 1826 | 19 2,1012 | 54 33,367 |
| 1827 | 19 5,0488 | 54 48,658 |
| 1828 | 19 7,9961 | 55 3,951 |
| 1829 | 19 10,9434 | 55 19,247 |
| 1830 | 19 13,8907 | 55 34,546 |

Diei reducto addendum est:

ante } Aug. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *a Leonis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 9 58 14,729 | +12 53 20,25 | 1820 | Jan. 1 | 9 58 46,524 | +12 50 38,67 |
| | Apr. 10 | 14,628 | 20,64 | | Apr. 10 | 46,622 | 38,18 |
| | Jul. 19 | 14,527 | 21,08 | | Jul. 19 | 46,718 | 37,65 |
| | Oct. 27 | 14,425 | 21,57 | | Oct. 27 | 46,813 | 37,09 |
| | Dec. 66 | 14,323 | 22,10 | | Dec. 66 | 46,906 | 36,49 |
| 1811 | Jan. 0 | 9 58 17,563 | +12 53 4,63 | 1821 | Jan. 0 | 9 58 50,080 | +12 50 19,39 |
| | Apr. 10 | 17,462 | 5,19 | | Apr. 10 | 50,171 | 18,78 |
| | Jul. 19 | 17,363 | 5,79 | | Jul. 19 | 50,258 | 18,15 |
| | Oct. 27 | 17,267 | 6,41 | | Oct. 27 | 50,341 | 17,50 |
| | Dec. 66 | 17,174 | 7,06 | | Dec. 66 | 50,419 | 16,84 |
| 1812 | Jan. 1 | 9 58 20,411 | +12 52 49,55 | 1822 | Jan. 0 | 9 58 53,599 | +12 49 59,75 |
| | Apr. 10 | 20,320 | 50,22 | | Apr. 10 | 53,674 | 59,08 |
| | Jul. 19 | 20,235 | 50,89 | | Jul. 19 | 53,742 | 58,42 |
| | Oct. 27 | 20,157 | 51,57 | | Oct. 27 | 53,804 | 57,76 |
| | Dec. 66 | 20,084 | 52,26 | | Dec. 66 | 53,860 | 57,10 |
| 1813 | Jan. 0 | 9 58 23,313 | +12 52 34,74 | 1823 | Jan. 0 | 9 58 57,047 | +12 49 40,01 |
| | Apr. 10 | 23,245 | 35,43 | | Apr. 10 | 57,097 | 39,36 |
| | Jul. 19 | 23,184 | 36,10 | | Jul. 19 | 57,140 | 38,73 |
| | Oct. 27 | 23,132 | 36,76 | | Oct. 27 | 57,174 | 38,13 |
| | Dec. 66 | 23,087 | 37,41 | | Dec. 66 | 57,199 | 37,55 |
| 1814 | Jan. 0 | 9 58 26,307 | +12 52 19,90 | 1824 | Jan. 1 | 9 59 0,397 | +12 49 20,42 |
| | Apr. 10 | 26,269 | 20,53 | | Apr. 10 | 0,417 | 19,86 |
| | Jul. 19 | 26,239 | 21,13 | | Jul. 19 | 0,428 | 19,35 |
| | Oct. 27 | 26,219 | 21,69 | | Oct. 27 | 0,429 | 18,87 |
| | Dec. 66 | 26,207 | 22,22 | | Dec. 66 | 0,422 | 18,43 |
| 1815 | Jan. 0 | 9 58 29,416 | +12 52 4,75 | 1825 | Jan. 0 | 9 59 3,630 | +12 49 1,25 |
| | Apr. 10 | 29,411 | 5,25 | | Apr. 10 | 3,617 | 0,85 |
| | Jul. 19 | 29,415 | 5,70 | | Jul. 19 | 3,594 | 0,50 |
| | Oct. 27 | 29,428 | 6,11 | | Oct. 27 | 3,563 | 0,21 |
| | Dec. 66 | 29,451 | 6,46 | | Dec. 66 | 3,522 | 48 59,97 |
| 1816 | Jan. 1 | 9 58 32,648 | +12 51 49,05 | 1826 | Jan. 0 | 9 59 6,742 | +12 48 42,71 |
| | Apr. 10 | 32,677 | 49,37 | | Apr. 10 | 6,696 | 42,51 |
| | Jul. 19 | 32,713 | 49,63 | | Jul. 19 | 6,641 | 42,38 |
| | Oct. 27 | 32,758 | 49,83 | | Oct. 27 | 6,579 | 42,30 |
| | Dec. 66 | 32,811 | 49,98 | | Dec. 66 | 6,510 | 42,29 |
| 1817 | Jan. 0 | 9 58 35,998 | +12 51 32,63 | 1827 | Jan. 0 | 9 59 9,739 | +12 48 24,96 |
| | Apr. 10 | 36,056 | 32,74 | | Apr. 10 | 9,665 | 24,99 |
| | Jul. 19 | 36,120 | 32,78 | | Jul. 19 | 9,585 | 25,09 |
| | Oct. 27 | 36,191 | 32,76 | | Oct. 27 | 9,499 | 25,25 |
| | Dec. 66 | 36,268 | 32,68 | | Dec. 66 | 9,408 | 25,48 |
| 1818 | Jan. 0 | 9 58 39,447 | +12 51 15,41 | 1828 | Jan. 1 | 9 59 12,644 | +12 48 8,07 |
| | Apr. 10 | 39,528 | 15,29 | | Apr. 10 | 12,550 | 8,33 |
| | Jul. 19 | 39,612 | 15,12 | | Jul. 19 | 12,453 | 8,65 |
| | Oct. 27 | 39,701 | 14,89 | | Oct. 27 | 12,354 | 9,03 |
| | Dec. 66 | 39,793 | 14,60 | | Dec. 66 | 12,252 | 9,46 |
| 1819 | Jan. 0 | 9 58 42,967 | +12 50 57,40 | 1829 | Jan. 0 | 9 59 15,491 | +12 47 51,98 |
| | Apr. 10 | 43,061 | 57,07 | | Apr. 10 | 15,389 | 52,45 |
| | Jul. 19 | 43,157 | 56,70 | | Jul. 19 | 15,287 | 52,96 |
| | Oct. 27 | 43,253 | 56,28 | | Oct. 27 | 15,186 | 53,50 |
| | Dec. 66 | 43,351 | 55,82 | | Dec. 66 | 15,086 | 54,09 |

## Tabulae X. Sect. IV. *a Leonis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,891 | +28,8 | − 5,21 | −14,9 | −3 | +1 |
| 10 | +1,162 | +25,3 | − 6,59 | −12,6 | −2 | 0 |
| 20 | +1,396 | +21,1 | − 7,72 | −10,1 | −2 | 0 |
| 30 | +1,584 | +16,4 | − 8,60 | − 7,4 | −2 | −1 |
| Febr. 9 | +1,723 | +11,4 | − 9,20 | − 4,7 | −1 | −1 |
| 19 | +1,811 | + 6,4 | − 9,54 | − 2,2 | 0 | −1 |
| Mart. 1 | +1,851 | + 1,7 | − 9,63 | + 0,1 | 0 | −2 |
| 11 | +1,845 | − 2,6 | − 9,52 | + 2,0 | +1 | −2 |
| 21 | +1,799 | − 6,2 | − 9,23 | + 3,5 | +1 | −2 |
| 31 | +1,721 | − 9,1 | − 8,82 | + 4,6 | +2 | −2 |
| Apr. 10 | +1,618 | −11,2 | − 8,31 | + 5,6 | +2 | −3 |
| 20 | +1,498 | −12,4 | − 7,74 | + 5,8 | +2 | −3 |
| 30 | +1,371 | −12,8 | − 7,16 | + 5,8 | +3 | −3 |
| Maj. 10 | +1,242 | −12,7 | − 6,58 | + 5,7 | +3 | −2 |
| 20 | +1,118 | −11,9 | − 6,02 | + 5,4 | +3 | −2 |
| 30 | +1,005 | −10,6 | − 5,51 | + 4,8 | +3 | −2 |
| Jun. 9 | +0,906 | − 9,0 | − 5,06 | + 4,2 | +3 | −2 |
| 19 | +0,825 | − 7,2 | − 4,67 | + 3,6 | +2 | −2 |
| 29 | +0,763 | − 5,2 | − 4,35 | + 2,8 | +2 | −2 |
| Jul. 9 | +0,722 | − 3,0 | − 4,11 | + 1,9 | +2 | −1 |
| 19 | +0,704 | − 0,7 | − 3,97 | + 0,9 | +1 | −1 |
| 29 | +0,709 | + 1,8 | − 3,93 | − 0,2 | +1 | −1 |
| Aug. 8 | +0,739 | + 4,3 | − 4,01 | − 1,5 | 0 | −1 |
| 18 | +0,795 | + 7,0 | − 4,23 | − 3,0 | 0 | −1 |
| 28 | +0,878 | + 9,7 | − 4,61 | − 4,7 | −1 | 0 |
| Sept. 7 | +0,988 | +12,6 | − 5,16 | − 6,5 | −1 | 0 |
| 17 | +1,129 | +15,7 | − 5,90 | − 8,4 | −2 | 0 |
| 27 | +1,301 | +18,8 | − 6,84 | −10,5 | −2 | 0 |
| Oct. 7 | +1,505 | +21,9 | − 7,99 | −12,5 | −3 | 0 |
| 17 | +1,739 | +25,0 | − 9,34 | −14,4 | −3 | 0 |
| 27 | +2,004 | +27,8 | −10,87 | −16,1 | −4 | 0 |
| Nov. 6 | +2,294 | +30,1 | −12,55 | −17,4 | −4 | 0 |
| 16 | +2,606 | +32,0 | −14,34 | −18,3 | −4 | 0 |
| 26 | +2,933 | +33,0 | −16,20 | −18,6 | −4 | 0 |
| Dec. 6 | +3,266 | +33,1 | −18,06 | −18,4 | −4 | −1 |
| 16 | +3,595 | +32,3 | −19,87 | −17,5 | −4 | −1 |
| 26 | +3,911 | +30,4 | −21,55 | −16,0 | −4 | −1 |
| 36 | +4,202 | +27,6 | −23,06 | −14,0 | −4 | −2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 9 58 14,4663 | +12 53 26,563 |
| 1811 | 58 17,6727 | 53 9,275 |
| 1812 | 58 20,8790 | 52 51,985 |
| 1813 | 58 24,0852 | 52 34,693 |
| 1814 | 58 27,2913 | 52 17,398 |
| 1815 | 58 30,4974 | 52 0,100 |
| 1816 | 58 33,7033 | 51 42,801 |
| 1817 | 58 36,9091 | 51 25,499 |
| 1818 | 58 40,1148 | 51 8,195 |
| 1819 | 58 43,3204 | 50 50,889 |
| 1820 | 58 46,5260 | 50 33,580 |
| 1821 | 58 49,7314 | 50 16,269 |
| 1822 | 58 52,9367 | 49 58,956 |
| 1823 | 58 56,1419 | 49 41,640 |
| 1824 | 58 59,3470 | 49 24,322 |
| 1825 | 59 2,5520 | 49 7,001 |
| 1826 | 59 5,7569 | 48 49,678 |
| 1827 | 59 8,9617 | 48 32,353 |
| 1828 | 59 12,1664 | 48 15,026 |
| 1829 | 59 15,3710 | 47 57,696 |
| 1830 | 59 18,5754 | 47 40,365 |

Diei reducto addendum est:

ante } Aug. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. β *Leonis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 11h 39′ 21″,770 | +15° 37′ 57″,78 | 1820 | Jan. 1 | 11h 39′ 52″,292 | +15° 34′ 41″,54 |
| | Apr. 10 | 21,672 | 58,36 | | Apr. 10 | 52,387 | 40,95 |
| | Jul. 19 | 21,573 | 58,95 | | Jul. 19 | 52,479 | 40,35 |
| | Oct. 27 | 21,475 | 59,56 | | Oct. 27 | 52,570 | 39,75 |
| | Dec. 66 | 21,376 | 38 0,19 | | Dec. 66 | 52,658 | 39,15 |
| 1811 | Jan. 0 | 11 39 24,477 | +15 37 39,90 | 1821 | Jan. 0 | 11 39 55,696 | +15 34 19,26 |
| | Apr. 10 | 24,379 | 40,54 | | Apr. 10 | 55,783 | 18,66 |
| | Jul. 19 | 24,285 | 41,17 | | Jul. 19 | 55,865 | 18,08 |
| | Oct. 27 | 24,193 | 41,79 | | Oct. 27 | 55,942 | 17,51 |
| | Dec. 66 | 24,105 | 42,41 | | Dec. 66 | 56,015 | 16,95 |
| 1812 | Jan. 1 | 11 39 27,202 | +15 37 22,13 | 1822 | Jan. 0 | 11 39 59,058 | +15 33 57,05 |
| | Apr. 10 | 27,117 | 22,74 | | Apr. 10 | 59,128 | 56,51 |
| | Jul. 19 | 27,038 | 23,33 | | Jul. 19 | 59,191 | 56,00 |
| | Oct. 27 | 26,964 | 23,89 | | Oct. 27 | 59,247 | 55,52 |
| | Dec. 66 | 26,897 | 24,43 | | Dec. 66 | 59,297 | 55,08 |
| 1813 | Jan. 0 | 11 39 29,986 | +15 37 4,18 | 1823 | Jan. 0 | 11 40 2,348 | +15 33 35,14 |
| | Apr. 10 | 29,924 | 4,69 | | Apr. 10 | 2,393 | 34,72 |
| | Jul. 19 | 29,869 | 5,17 | | Jul. 19 | 2,429 | 34,34 |
| | Oct. 27 | 29,822 | 5,61 | | Oct. 27 | 2,457 | 34,00 |
| | Dec. 66 | 29,784 | 6,00 | | Dec. 66 | 2,477 | 33,71 |
| 1814 | Jan. 0 | 11 39 32,863 | +15 36 45,80 | 1824 | Jan. 1 | 11 40 5,538 | +15 33 13,72 |
| | Apr. 10 | 32,831 | 46,16 | | Apr. 10 | 5,553 | 13,47 |
| | Jul. 19 | 32,807 | 46,47 | | Jul. 19 | 5,559 | 13,27 |
| | Oct. 27 | 32,791 | 46,73 | | Oct. 27 | 5,555 | 13,12 |
| | Dec. 66 | 32,784 | 46,94 | | Dec. 66 | 5,543 | 13,02 |
| 1815 | Jan. 0 | 11 39 35,854 | +15 36 26,80 | 1825 | Jan. 0 | 11 40 8,615 | +15 32 52,96 |
| | Apr. 10 | 35,854 | 26,97 | | Apr. 10 | 8,597 | 52,91 |
| | Jul. 19 | 35,863 | 27,08 | | Jul. 19 | 8,571 | 52,91 |
| | Oct. 27 | 35,881 | 27,14 | | Oct. 27 | 8,536 | 52,97 |
| | Dec. 66 | 35,907 | 27,14 | | Dec. 66 | 8,492 | 53,09 |
| 1816 | Jan. 1 | 11 39 38,964 | +15 36 7,07 | 1826 | Jan. 0 | 11 40 11,574 | +15 32 32,96 |
| | Apr. 10 | 38,996 | 7,04 | | Apr. 10 | 11,525 | 33,11 |
| | Jul. 19 | 39,036 | 6,94 | | Jul. 19 | 11,468 | 33,32 |
| | Oct. 27 | 39,084 | 6,79 | | Oct. 27 | 11,405 | 33,59 |
| | Dec. 66 | 39,139 | 6,59 | | Dec. 66 | 11,334 | 33,91 |
| 1817 | Jan. 0 | 11 39 42,187 | +15 35 46,58 | 1827 | Jan. 0 | 11 40 14,425 | +15 32 13,71 |
| | Apr. 10 | 42,247 | 46,34 | | Apr. 10 | 14,349 | 14,06 |
| | Jul. 19 | 42,313 | 46,06 | | Jul. 19 | 14,269 | 14,46 |
| | Oct. 27 | 42,385 | 45,73 | | Oct. 27 | 14,183 | 14,90 |
| | Dec. 66 | 42,462 | 45,35 | | Dec. 66 | 14,094 | 15,38 |
| 1818 | Jan. 0 | 11 39 45,503 | +15 35 25,40 | 1828 | Jan. 1 | 11 40 17,191 | +15 31 55,13 |
| | Apr. 10 | 45,584 | 25,00 | | Apr. 10 | 17,098 | 55,64 |
| | Jul. 19 | 45,668 | 24,56 | | Jul. 19 | 17,003 | 56,18 |
| | Oct. 27 | 45,756 | 24,08 | | Oct. 27 | 16,907 | 56,75 |
| | Dec. 66 | 45,847 | 23,57 | | Dec. 66 | 16,808 | 57,34 |
| 1819 | Jan. 0 | 11 39 48,883 | +15 35 3,66 | 1829 | Jan. 0 | 11 40 19,907 | +15 31 37,06 |
| | Apr. 10 | 48,976 | 3,13 | | Apr. 10 | 19,807 | 37,67 |
| | Jul. 19 | 49,069 | 2,58 | | Jul. 19 | 19,709 | 38,28 |
| | Oct. 27 | 49,163 | 2,02 | | Oct. 27 | 19,612 | 38,91 |
| | Dec. 66 | 49,257 | 1,43 | | Dec. 66 | 19,517 | 39,55 |

## Tabulae X. Sect. IV. *β Leonis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,352 | +33,2 | — 6,79 | —18,3 | —3 | +2 |
| 10 | +0,677 | +31,4 | — 8,50 | —15,7 | —3 | +1 |
| 20 | +0,979 | +28,6 | — 9,92 | —12,7 | —3 | +1 |
| 30 | +1,248 | +25,1 | —11,03 | — 9,4 | —3 | 0 |
| Febr. 9 | +1,480 | +21,0 | —11,79 | — 5,9 | —2 | 0 |
| 19 | +1,667 | +16,4 | —12,21 | — 2,5 | —2 | —1 |
| Mart. 1 | +1,808 | +11,9 | —12 29 | + 0,6 | —1 | —1 |
| 11 | +1,904 | + 7,5 | —12,09 | + 3,4 | —1 | —1 |
| 21 | +1,958 | + 6,4 | —11,62 | + 5,7 | 0 | —2 |
| 31 | +1,972 | — 0,3 | —10,95 | + 7,4 | 0 | —2 |
| Apr. 10 | +1,953 | — 3,3 | —10,14 | + 8,7 | +1 | —2 |
| 20 | +1,906 | — 5,9 | — 9,22 | + 9,4 | +1 | —2 |
| 30 | +1,836 | — 7,8 | — 8,27 | + 9,5 | +2 | —2 |
| Maj. 10 | +1,750 | — 9,1 | — 7,32 | + 9,3 | +2 | —2 |
| 20 | +1,654 | —10,0 | — 6,41 | + 8,8 | +2 | —2 |
| 30 | +1,551 | —10,4 | — 5,57 | + 7,8 | +3 | —2 |
| Jun. 9 | +1,446 | —10,5 | — 4,85 | + 6,6 | +3 | —2 |
| 19 | +1,341 | —10,3 | — 4,25 | + 5,4 | +3 | —2 |
| 29 | +1,241 | — 9,7 | — 3,78 | + 3,9 | +3 | —2 |
| Jul. 9 | +1,147 | — 8,9 | — 3,48 | + 2,3 | +3 | —1 |
| 19 | +1,063 | — 7,9 | — 3,33 | + 0,6 | +2 | —1 |
| 29 | +0,990 | — 6,6 | — 3,36 | — 1,2 | +2 | —1 |
| Aug. 8 | +0,932 | — 4,9 | — 3,57 | — 3,1 | +2 | 0 |
| 18 | +0,892 | — 3,0 | — 3,97 | — 5,0 | +1 | 0 |
| 28 | +0,873 | — 0,6 | — 4,57 | — 7,1 | +1 | 0 |
| Sept. 7 | +0,880 | + 2,3 | — 5,38 | — 9,2 | 0 | 0 |
| 17 | +0,918 | + 5,4 | — 6,41 | —11,4 | 0 | +1 |
| 27 | +0,988 | + 8,9 | — 7,66 | —13,7 | —1 | +1 |
| Oct. 7 | +1,095 | +12,7 | — 9,14 | —15,9 | —1 | +1 |
| 17 | +1,242 | +16,7 | —10,83 | —17,9 | —2 | +2 |
| 27 | +1,429 | +20,7 | —12,71 | —19,7 | —2 | +2 |
| Nov. 6 | +1,656 | +24,6 | —14,76 | —21,2 | —3 | +2 |
| 16 | +1,920 | +28,0 | —16,93 | —22,1 | —3 | +2 |
| 26 | +2,215 | +30,7 | —19,17 | —22,5 | —4 | +2 |
| Dec. 6 | +2,534 | +32,7 | —21,42 | —22,2 | —4 | +2 |
| 16 | +2,869 | +33,8 | —23,61 | —21,3 | —4 | +2 |
| 26 | +3,209 | +33,7 | —25,68 | —19,7 | —4 | +2 |
| 36 | +3,543 | +32,7 | —27,54 | —17,4 | —4 | +1 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 11 39 21,5679 | +15 38 0,856 |
| 1811 | 39 24,6357 | 37 40,776 |
| 1812 | 39 27,7034 | 37 20,696 |
| 1813 | 39 30,7711 | 37 0,615 |
| 1814 | 39 33,8387 | 36 40,534 |
| 1815 | 39 36,9062 | 36 20,453 |
| 1816 | 39 39,9736 | 36 0,371 |
| 1817 | 39 43,0409 | 35 40,289 |
| 1818 | 39 46,1082 | 35 20,207 |
| 1819 | 39 49,1754 | 35 0,124 |
| 1820 | 39 52,2425 | 34 40,040 |
| 1821 | 39 55,3095 | 34 19,956 |
| 1822 | 39 58,3765 | 33 59,872 |
| 1823 | 40 1,4434 | 33 39,788 |
| 1824 | 40 4,5102 | 33 19,703 |
| 1825 | 40 7,5770 | 32 59,619 |
| 1826 | 40 10,6436 | 32 39,534 |
| 1827 | 40 13,7102 | 32 19,448 |
| 1828 | 40 16,7767 | 31 59,362 |
| 1829 | 40 19,8431 | 31 39,276 |
| 1830 | 40 22,9094 | 31 19,188 |

Diei reducto addendum est:

ante } Sept. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens

## Tabulae X. Sect. IV. β *Virginis.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 11h 40′ 48″,205 | + 2° 50′ 2″,66 |
| | Apr. 10 | 48,112 | 3,24 |
| | Jul. 19 | 48,017 | 3,84 |
| | Oct. 27 | 47,921 | 4,45 |
| | Dec. 66 | 47,823 | 5,08 |
| 1811 | Jan. 0 | 11 40 50,980 | + 2 49 44,58 |
| | Apr. 10 | 50,883 | 45,21 |
| | Jul. 19 | 50,788 | 45,84 |
| | Oct. 27 | 50,795 | 46,47 |
| | Dec. 66 | 50,603 | 47,09 |
| 1812 | Jan. 1 | 11 40 53,758 | + 2 49 26,60 |
| | Apr. 10 | 53,669 | 27,21 |
| | Jul. 19 | 53,584 | 27,80 |
| | Oct. 27 | 53,505 | 28,36 |
| | Dec. 66 | 53,430 | 28,90 |
| 1813 | Jan. 0 | 11 40 56,579 | + 2 49 8,43 |
| | Apr. 10 | 56,508 | 8,95 |
| | Jul. 19 | 56,445 | 9,42 |
| | Oct. 27 | 56,389 | 9,85 |
| | Dec. 66 | 56,340 | 10,25 |
| 1814 | Jan. 0 | 11 40 59,480 | + 2 48 49,83 |
| | Apr. 10 | 59,436 | 50,19 |
| | Jul. 19 | 59,401 | 50,50 |
| | Oct. 27 | 59,374 | 50,76 |
| | Dec. 66 | 59,356 | 50,96 |
| 1815 | Jan. 0 | 11 41 2,486 | + 2 48 30,61 |
| | Apr. 10 | 2,473 | 30,78 |
| | Jul. 19 | 2,469 | 30,89 |
| | Oct. 27 | 2,474 | 30,94 |
| | Dec. 66 | 2,488 | 30,94 |
| 1816 | Jan. 1 | 11 41 5,607 | + 2 48 10,65 |
| | Apr. 10 | 5,626 | 10,61 |
| | Jul. 19 | 5,654 | 10,52 |
| | Oct. 27 | 5,689 | 10,37 |
| | Dec. 66 | 5,733 | 10,16 |
| 1817 | Jan. 0 | 11 41 8,842 | + 2 47 49,95 |
| | Apr. 10 | 8,891 | 49,71 |
| | Jul. 19 | 8,946 | 49,42 |
| | Oct. 27 | 9,008 | 49,08 |
| | Dec. 66 | 9,076 | 48,70 |
| 1818 | Jan. 0 | 11 41 12,177 | + 2 47 28,55 |
| | Apr. 10 | 12,249 | 28,14 |
| | Jul. 19 | 12,325 | 27,69 |
| | Oct. 27 | 12,405 | 27,21 |
| | Dec. 66 | 12,490 | 26,70 |
| 1819 | Jan. 0 | 11 41 15,585 | + 2 47 6,59 |
| | Apr. 10 | 15,672 | 6,06 |
| | Jul. 19 | 15,761 | 5,51 |
| | Oct. 27 | 15,851 | 4,94 |
| | Dec. 66 | 15,943 | 4,35 |
| 1820 | Jan. 1 | 11h 41′ 19″,037 | + 2° 46′ 44″,26 |
| | Apr. 10 | 19,130 | 43,66 |
| | Jul. 19 | 19,222 | 43,06 |
| | Oct. 27 | 19,313 | 42,46 |
| | Dec. 66 | 19,404 | 41,86 |
| 1821 | Jan. 0 | 11 41 22,497 | + 2 46 21,77 |
| | Apr. 10 | 22,586 | 21,17 |
| | Jul. 19 | 22,672 | 20,59 |
| | Oct. 27 | 22,754 | 20,02 |
| | Dec. 66 | 22,833 | 19,47 |
| 1822 | Jan. 0 | 11 41 25,931 | + 2 45 59,36 |
| | Apr. 10 | 26,007 | 58,82 |
| | Jul. 19 | 26,077 | 58,32 |
| | Oct. 27 | 26,141 | 57,84 |
| | Dec. 66 | 26,200 | 57,40 |
| 1823 | Jan. 0 | 11 41 29,106 | + 2 45 37,25 |
| | Apr. 10 | 29,160 | 36,83 |
| | Jul. 19 | 29,207 | 36,46 |
| | Oct. 27 | 29,246 | 36,13 |
| | Dec. 66 | 29,278 | 35,85 |
| 1824 | Jan. 1 | 11 41 32,592 | + 2 45 15,65 |
| | Apr. 10 | 32,618 | 15,40 |
| | Jul. 19 | 32,636 | 15,20 |
| | Oct. 27 | 32,645 | 15,06 |
| | Dec. 66 | 32,646 | 14,97 |
| 1825 | Jan. 0 | 11 41 35,771 | + 2 44 54,70 |
| | Apr. 10 | 35,766 | 54,65 |
| | Jul. 19 | 35,752 | 54,66 |
| | Oct. 27 | 35,729 | 54,73 |
| | Dec. 66 | 35,698 | 54,85 |
| 1826 | Jan. 0 | 11 41 38,834 | + 2 44 34,51 |
| | Apr. 10 | 38,797 | 34,67 |
| | Jul. 19 | 38,753 | 34,89 |
| | Oct. 27 | 38,700 | 35,16 |
| | Dec. 66 | 38,640 | 35,48 |
| 1827 | Jan. 0 | 11 41 41,785 | + 2 44 15,07 |
| | Apr. 10 | 41,720 | 15,43 |
| | Jul. 19 | 41,650 | 15,83 |
| | Oct. 27 | 41,573 | 16,27 |
| | Dec. 66 | 41,491 | 16,76 |
| 1828 | Jan. 1 | 11 41 44,643 | + 2 43 56,30 |
| | Apr. 10 | 44,557 | 56,82 |
| | Jul. 19 | 44,468 | 57,36 |
| | Oct. 27 | 44,376 | 57,93 |
| | Dec. 66 | 44,281 | 58,53 |
| 1829 | Jan. 0 | 11 41 47,437 | + 2 43 38,03 |
| | Apr. 10 | 47,341 | 38,64 |
| | Jul. 19 | 47,245 | 39,26 |
| | Oct. 27 | 47,149 | 39,89 |
| | Dec. 66 | 47,052 | 40,53 |

## Tabulae X. Sect. IV. β *Virginis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,340 | +32,5 | − 2,52 | −20,9 | −3 | +2 |
| 10 | +0,658 | +30,6 | − 4,55 | −19,5 | −3 | +2 |
| 20 | +0,952 | +27,9 | − 6,42 | −17,6 | −3 | +2 |
| 30 | +1,215 | +24,4 | − 8,07 | −15,3 | −2 | +1 |
| Febr. 9 | +1,440 | +20,5 | − 9,47 | −12,7 | −2 | +1 |
| 19 | +1,624 | +16,2 | −10,60 | − 9,9 | −1 | +1 |
| Mart. 1 | +1,764 | +11,8 | −11,45 | − 7,1 | −1 | 0 |
| 11 | +1,860 | + 7,7 | −12,02 | − 4,5 | 0 | 0 |
| 21 | +1,917 | + 3,8 | −12,34 | − 2,1 | 0 | −1 |
| 31 | +1,936 | + 0,4 | −12,43 | + 0,1 | +1 | −1 |
| Apr. 10 | +1,924 | − 2,5 | −12,32 | + 1,9 | +1 | −1 |
| 20 | +1,886 | − 4,9 | −12,05 | + 3,4 | +2 | −1 |
| 30 | +1,827 | − 6,7 | −11,65 | + 4,5 | +2 | −2 |
| Maj. 10 | +1,753 | − 8,0 | −11,16 | + 5,2 | +2 | −2 |
| 20 | +1,668 | − 8,8 | −10,61 | + 5,7 | +3 | −2 |
| 30 | +1,577 | − 9,3 | −10,02 | + 6,0 | +3 | −2 |
| Jun. 9 | +1,482 | − 9,5 | − 9,41 | + 6,1 | +3 | −2 |
| 19 | +1,388 | − 9,3 | − 8,80 | + 6,0 | +3 | −2 |
| 29 | +1,296 | − 9,0 | − 8,22 | + 5,7 | +3 | −2 |
| Jul. 9 | +1,209 | − 8,3 | − 7,66 | + 5,3 | +3 | −2 |
| 19 | +1,130 | − 7,4 | − 7,16 | + 4,7 | +3 | −2 |
| 29 | +1,061 | − 6,2 | − 6,72 | + 3,9 | +2 | −1 |
| Aug. 8 | +1,006 | − 4,7 | − 6,38 | + 2,9 | +2 | −1 |
| 18 | +0,968 | − 2,8 | − 6,15 | + 1,6 | +2 | −1 |
| 28 | +0,951 | − 0,5 | − 6,06 | + 0,1 | +1 | −1 |
| Sept. 7 | +0,959 | + 2,3 | − 6,14 | − 1,8 | +1 | −1 |
| 17 | +0,996 | + 5,4 | − 6,42 | − 3,9 | 0 | 0 |
| 27 | +1,066 | + 8,9 | − 6,92 | − 6,3 | 0 | 0 |
| Oct. 7 | +1,173 | +12,6 | − 7,67 | − 8,8 | −1 | 0 |
| 17 | +1,318 | +16,6 | − 8,67 | −11,3 | −1 | +1 |
| 27 | +1,504 | +20,6 | − 9,93 | −13,9 | −2 | +1 |
| Nov. 6 | +1,729 | +24,3 | −11,44 | −16,3 | −2 | +1 |
| 16 | +1,990 | +27,6 | −13,18 | −18,3 | −3 | +2 |
| 26 | +2,281 | +30,3 | −15,10 | −20,0 | −3 | +2 |
| Dec. 6 | +2,596 | +32,2 | −17,17 | −21,1 | −3 | +2 |
| 16 | +2,925 | +33,2 | −19,32 | −21,6 | −3 | +2 |
| 26 | +3,259 | +33,1 | −21,48 | −21,3 | −3 | +2 |
| 36 | +3,586 | +31,9 | −23,58 | −20,4 | −3 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 11 40 47,8762 | + 2 50 5,684 |
| 1811 | 40 51,0007 | 49 45,398 |
| 1812 | 40 54,1252 | 49 25,112 |
| 1813 | 40 57,2497 | 49 4,825 |
| 1814 | 41 0,3742 | 48 44,538 |
| 1815 | 41 3,4986 | 48 24,251 |
| 1816 | 41 6,6231 | 48 3,963 |
| 1817 | 41 9,7476 | 47 43,675 |
| 1818 | 41 12,8721 | 47 23,387 |
| 1819 | 41 15,9965 | 47 3,098 |
| 1820 | 41 19,1209 | 46 42,810 |
| 1821 | 41 22,2453 | 46 22,521 |
| 1822 | 41 25,3697 | 46 2,232 |
| 1823 | 41 28,2941 | 45 41,942 |
| 1824 | 41 31,6185 | 45 21,652 |
| 1825 | 41 34,7430 | 45 1,361 |
| 1826 | 41 37,8674 | 44 41,070 |
| 1827 | 41 40,9918 | 44 20,779 |
| 1828 | 41 44,1162 | 44 0,487 |
| 1829 | 41 47,2406 | 43 40,195 |
| 1830 | 41 50,3649 | 43 19,904 |

Diei reducto addendum est:

ante } Sept. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. α *Virginis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 13 15 12,404 | —10 9 56,80 | 1820 | Jan. 1 | 13 15 43,174 | —10 13 9,86 |
| | Apr. 10 | 12,312 | 56,14 | | Apr. 10 | 43,268 | 10,45 |
| | Jul. 19 | 12,217 | 55,50 | | Jul. 19 | 43,363 | 11,01 |
| | Oct. 27 | 12,120 | 54,88 | | Oct. 27 | 43,457 | 11,54 |
| | Dec. 66 | 12,021 | 54,28 | | Dec. 66 | 43,552 | 12,05 |
| 1811 | Jan. 0 | 13 15 15,199 | —10 10 13,52 | 1821 | Jan. 0 | 13 15 46,666 | —10 13 30,91 |
| | Apr. 10 | 15,099 | 12,93 | | Apr. 10 | 46,760 | 31,39 |
| | Jul. 19 | 14,999 | 12,38 | | Jul. 19 | 46,852 | 31,83 |
| | Oct. 27 | 14,901 | 11,86 | | Oct. 27 | 46,941 | 32,23 |
| | Dec. 66 | 14,804 | 11,38 | | Dec. 66 | 47,028 | 32,59 |
| 1812 | Jan. 1 | 13 15 17,981 | —10 10 30,57 | 1822 | Jan. 0 | 13 15 50,145 | —10 13 51,50 |
| | Apr. 10 | 17,885 | 30,12 | | Apr. 10 | 50,229 | 51,83 |
| | Jul. 19 | 17,793 | 29,72 | | Jul. 19 | 50,309 | 52,10 |
| | Oct. 27 | 17,705 | 29,36 | | Oct. 27 | 50,383 | 52,32 |
| | Dec. 66 | 17,621 | 29,06 | | Dec. 66 | 50,452 | 52,49 |
| 1813 | Jan. 0 | 13 15 20,793 | —10 10 48,20 | 1823 | Jan. 0 | 13 15 53,575 | —10 14 11,46 |
| | Apr. 10 | 20,713 | 47,93 | | Apr. 10 | 53,640 | 11,59 |
| | Jul. 19 | 20,639 | 47,73 | | Jul. 19 | 53,698 | 11,67 |
| | Oct. 27 | 20,572 | 47,58 | | Oct. 27 | 53,749 | 11,69 |
| | Dec. 66 | 20,511 | 47,49 | | Dec. 66 | 53,793 | 11,65 |
| 1814 | Jan. 0 | 13 15 23,675 | —10 11 6,55 | 1824 | Jan. 1 | 13 15 56,925 | —10 14 30,69 |
| | Apr. 10 | 23,619 | 6,50 | | Apr. 10 | 56,963 | 30,61 |
| | Jul. 19 | 23,572 | 6,52 | | Jul. 19 | 56,993 | 30,47 |
| | Oct. 27 | 23,533 | 6,59 | | Oct. 27 | 57,014 | 30,28 |
| | Dec. 66 | 23,503 | 6,72 | | Dec. 66 | 57,027 | 30,03 |
| 1815 | Jan. 0 | 13 15 26,657 | —10 11 25,71 | 1825 | Jan. 0 | 13 16 0,170 | —10 14 49,14 |
| | Apr. 10 | 26,632 | 25,88 | | Apr. 10 | 0,177 | 48,86 |
| | Jul. 19 | 26,616 | 26,11 | | Jul. 19 | 0,175 | 48,52 |
| | Oct. 27 | 26,609 | 26,39 | | Oct. 27 | 0,164 | 48,13 |
| | Dec. 66 | 26,611 | 26,72 | | Dec. 66 | 0,143 | 47,70 |
| 1816 | Jan. 1 | 13 15 29,754 | —10 11 45,64 | 1826 | Jan. 0 | 13 16 3,297 | —10 15 6,87 |
| | Apr. 10 | 29,762 | 46,01 | | Apr. 10 | 3,271 | 6,40 |
| | Jul. 19 | 29,779 | 46,42 | | Jul. 19 | 3,236 | 5,90 |
| | Oct. 27 | 29,804 | 46,87 | | Oct. 27 | 3,193 | 5,36 |
| | Dec. 66 | 29,838 | 47,36 | | Dec. 66 | 3,141 | 4,78 |
| 1817 | Jan. 0 | 13 15 32,971 | —10 12 6,23 | 1827 | Jan. 0 | 13 16 6,305 | —10 15 24,00 |
| | Apr. 10 | 33,010 | 6,75 | | Apr. 10 | 6,248 | 23,40 |
| | Jul. 19 | 33,056 | 7,29 | | Jul. 19 | 6,184 | 22,79 |
| | Oct. 27 | 33,110 | 7,86 | | Oct. 27 | 6,113 | 22,16 |
| | Dec. 66 | 33,171 | 8,45 | | Dec. 66 | 6,035 | 21,51 |
| 1818 | Jan. 0 | 13 15 36,295 | —10 12 27,28 | 1828 | Jan. 1 | 13 16 9,208 | —10 15 40,74 |
| | Apr. 10 | 36,360 | 27,89 | | Apr. 10 | 9,126 | 40,09 |
| | Jul. 19 | 36,431 | 28,50 | | Jul. 19 | 9,040 | 39,44 |
| | Oct. 27 | 36,507 | 29,13 | | Oct. 27 | 8,950 | 38,79 |
| | Dec. 66 | 36,589 | 29,76 | | Dec. 66 | 8,856 | 38,14 |
| 1819 | Jan. 0 | 13 15 39,706 | —10 12 48,57 | 1829 | Jan. 0 | 13 16 12,034 | —10 15 57,37 |
| | Apr. 10 | 39,791 | 49,21 | | Apr. 10 | 11,937 | 56,73 |
| | Jul. 19 | 39,878 | 49,83 | | Jul. 19 | 11,839 | 56,12 |
| | Oct. 27 | 39,968 | 50,44 | | Oct. 27 | 11,741 | 55,53 |
| | Dec. 66 | 40,060 | 51,03 | | Dec. 66 | 11,641 | 54,96 |

## Tabulae X. Sect. IV. *a Virginis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,204 | +33,4 | + 2,20 | —20,1 | —3 | +2 |
| 10 | +0,130 | +33,1 | + 0,17 | —20,4 | —3 | +2 |
| 20 | +0,458 | +31,9 | — 1,87 | —20,1 | —3 | +2 |
| 30 | +0,768 | +29,9 | — 3,85 | —19,2 | —3 | +2 |
| Febr. 9 | +1,055 | +27,2 | — 5,71 | —17,8 | —2 | +2 |
| 19 | +1,311 | +24,0 | — 7,41 | —16,0 | —2 | +2 |
| Mart. 1 | +1,534 | +20,5 | — 8,90 | —13,8 | —2 | +2 |
| 11 | +1,720 | +16,9 | —10,17 | —11,6 | —1 | +2 |
| 21 | +1,871 | +13,3 | —11,21 | — 9,3 | 0 | +2 |
| 31 | +1,986 | + 9,9 | —12,02 | — 7,1 | 0 | +1 |
| Apr. 10 | +2,069 | + 6,8 | —12,62 | — 5,0 | +1 | +1 |
| 20 | +2,122 | + 4,0 | —13,01 | — 3,1 | +1 | +1 |
| 30 | +2,148 | + 1,4 | —13,23 | — 1,4 | +2 | +1 |
| Maj. 10 | +2,149 | — 1,0 | —13,28 | + 0,2 | +2 | 0 |
| 20 | +2,128 | — 3,1 | —13,20 | + 1,4 | +3 | 0 |
| 30 | +2,088 | — 4,9 | —13,00 | + 2,5 | +3 | 0 |
| Jun. 9 | +2,030 | — 6,6 | —12,70 | + 3,5 | +3 | 0 |
| 19 | +1,957 | — 8,0 | —12,30 | + 4,3 | +3 | —1 |
| 29 | +1,871 | — 9,2 | —11,84 | + 5,0 | +4 | —1 |
| Jul. 9 | +1,773 | —10,2 | —11,30 | + 5,6 | +4 | —1 |
| 19 | +1,667 | —10,8 | —10,72 | + 6,0 | +4 | —1 |
| 29 | +1,557 | —11,1 | —10,11 | + 6,2 | +3 | —1 |
| Aug. 8 | +1,446 | —10,9 | — 9,48 | + 6,3 | +3 | —1 |
| 18 | +1,340 | —10,1 | — 8,86 | + 6,0 | +3 | —1 |
| 28 | +1,244 | — 8,7 | — 8,28 | + 5,5 | +3 | —1 |
| Sept. 7 | +1,166 | — 6,7 | — 7,76 | + 4,6 | +2 | —1 |
| 17 | +1,111 | — 4,0 | — 7,36 | + 3,3 | +2 | —1 |
| 27 | +1,087 | — 0,6 | — 7,10 | + 1,7 | +1 | 0 |
| Oct. 7 | +1,099 | + 3,4 | — 7,02 | — 0,4 | +1 | 0 |
| 17 | +1,154 | + 7,8 | — 7,18 | — 2,8 | 0 | 0 |
| 27 | +1,254 | +12,4 | — 7,58 | — 5,4 | 0 | +1 |
| Nov. 6 | +1,401 | +17,1 | — 8,26 | — 8,3 | —1 | +1 |
| 16 | +1,595 | +21,5 | — 9,23 | —11,1 | —1 | +2 |
| 26 | +1,831 | +25,5 | —10,47 | —13,7 | —1 | +2 |
| Dec. 6 | +2,105 | +28,9 | —11,97 | —16,1 | —2 | +3 |
| 16 | +2,409 | +31,4 | —13,69 | —18,1 | —2 | +3 |
| 26 | +2,733 | +32,9 | —15,58 | —19,5 | —2 | +3 |
| 36 | +3,067 | +33,4 | —17,58 | —20,3 | —2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 13 15 11,9422 | —10 9 57,343 |
| 1811 | 15 15,0865 | 10 16,385 |
| 1812 | 15 18,2309 | 10 35,425 |
| 1813 | 15 21,3754 | 10 54,464 |
| 1814 | 15 24,5200 | 11 13,500 |
| 1815 | 15 27,6646 | 11 32,535 |
| 1816 | 15 30,8094 | 11 51,569 |
| 1817 | 15 33,9543 | 12 10,601 |
| 1818 | 15 37,0994 | 12 29,632 |
| 1819 | 15 40,2446 | 12 48,661 |
| 1820 | 15 43,3899 | 13 7,690 |
| 1821 | 15 46,5353 | 13 26,716 |
| 1822 | 15 49,6808 | 13 45,741 |
| 1823 | 15 52,8264 | 14 4,764 |
| 1824 | 15 55,9721 | 14 23,786 |
| 1825 | 15 59,1180 | 14 42,806 |
| 1826 | 16 2,2639 | 15 1,825 |
| 1827 | 16 5,4100 | 15 20,842 |
| 1828 | 16 8,5562 | 15 39,857 |
| 1829 | 16 11,7025 | 15 58,872 |
| 1830 | 16 14,8488 | 16 17,884 |

Diei reducto addendum est:

ante } Oct. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Bootis.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 14h 7′ 0″,077 | +20° 10′ 38″,14 |
| | Apr. 10 | 6 59,987 | 38,78 |
| | Jul. 19 | 59,897 | 39,40 |
| | Oct. 27 | 59,807 | 39,98 |
| | Dec. 66 | 59,717 | 40,53 |
| 1811 | Jan. 0 | 14 7 2,479 | +20 10 21,32 |
| | Apr. 10 | 2,391 | 21,84 |
| | Jul. 19 | 2,306 | 22,31 |
| | Oct. 27 | 2,224 | 22,73 |
| | Dec. 66 | 2,145 | 23,11 |
| 1812 | Jan. 1 | 14 7 4,903 | +20 10 3,96 |
| | Apr. 10 | 4,827 | 4,29 |
| | Jul. 19 | 4,757 | 4,56 |
| | Oct. 27 | 4,692 | 4,77 |
| | Dec. 66 | 4,633 | 4,92 |
| 1813 | Jan. 0 | 14 7 7,385 | +20 9 45,86 |
| | Apr. 10 | 7,330 | 45,96 |
| | Jul. 19 | 7,283 | 46,00 |
| | Oct. 27 | 7,243 | 45,98 |
| | Dec. 66 | 7,211 | 45,89 |
| 1814 | Jan. 0 | 14 7 9,953 | +20 9 26,90 |
| | Apr. 10 | 9,926 | 26,77 |
| | Jul. 19 | 9,908 | 26,57 |
| | Oct. 27 | 9,897 | 26,32 |
| | Dec. 66 | 9,895 | 26,01 |
| 1815 | Jan. 0 | 14 7 12,627 | +20 9 7,10 |
| | Apr. 10 | 12,630 | 6,75 |
| | Jul. 19 | 12,641 | 6,35 |
| | Oct. 27 | 12,658 | 5,90 |
| | Dec. 66 | 12,683 | 5,41 |
| 1816 | Jan. 1 | 14 7 15,410 | +20 8 46,56 |
| | Apr. 10 | 15,443 | 46,04 |
| | Jul. 19 | 15,482 | 45,48 |
| | Oct. 27 | 15,428 | 44,90 |
| | Dec. 66 | 15,581 | 44,28 |
| 1817 | Jan. 0 | 14 7 18,295 | +20 8 25,47 |
| | Apr. 10 | 18,352 | 24,84 |
| | Jul. 19 | 18,415 | 24,19 |
| | Oct. 27 | 18,482 | 23,53 |
| | Dec. 66 | 18,555 | 22,86 |
| 1818 | Jan. 0 | 14 7 21,262 | +20 8 4,07 |
| | Apr. 10 | 21,338 | 3,40 |
| | Jul. 19 | 21,416 | 2,73 |
| | Oct. 27 | 21,497 | 2,07 |
| | Dec. 66 | 21,581 | 1,41 |
| 1819 | Jan. 0 | 14 7 24,285 | +20 7 42,62 |
| | Apr. 10 | 24,370 | 41,98 |
| | Jul. 19 | 24,455 | 41,36 |
| | Oct. 27 | 24,540 | 40,77 |
| | Dec. 66 | 24,626 | 40,21 |
| 1820 | Jan. 1 | 14h 7′ 27″,330 | +20° 7′ 21″,39 |
| | Apr. 10 | 27,416 | 20,85 |
| | Jul. 19 | 27,500 | 20,35 |
| | Oct. 27 | 27,581 | 19,90 |
| | Dec. 66 | 27,661 | 19,48 |
| 1821 | Jan. 0 | 14 7 30,367 | +20 7 0,61 |
| | Apr. 10 | 30,445 | 0,23 |
| | Jul. 19 | 30,518 | 6 59,90 |
| | Oct. 27 | 30,587 | 59,62 |
| | Dec. 66 | 30,651 | 59,40 |
| 1822 | Jan. 0 | 14 7 33,362 | +20 6 40,46 |
| | Apr. 10 | 33,423 | 40,28 |
| | Jul. 19 | 33,478 | 40,15 |
| | Oct. 27 | 33,527 | 40,09 |
| | Dec. 66 | 33,569 | 40,08 |
| 1823 | Jan. 0 | 14 7 36,288 | +20 6 21,07 |
| | Apr. 10 | 36,326 | 21,11 |
| | Jul. 19 | 36,356 | 21,21 |
| | Oct. 27 | 36,379 | 21,37 |
| | Dec. 66 | 36,395 | 21,58 |
| 1824 | Jan. 1 | 14 7 39,123 | +20 6 2,50 |
| | Apr. 10 | 39,133 | 2,76 |
| | Jul. 19 | 39,135 | 3,07 |
| | Oct. 27 | 39,128 | 3,44 |
| | Dec. 66 | 39,114 | 3,86 |
| 1825 | Jan. 0 | 14 7 41,852 | +20 5 44,71 |
| | Apr. 10 | 41,832 | 45,16 |
| | Jul. 19 | 41,805 | 45,66 |
| | Oct. 27 | 41,770 | 46,20 |
| | Dec. 66 | 41,728 | 46,78 |
| 1826 | Jan. 0 | 14 7 44,475 | +20 5 27,59 |
| | Apr. 10 | 44,427 | 28,19 |
| | Jul. 19 | 44,373 | 28,82 |
| | Oct. 27 | 44,313 | 29,47 |
| | Dec. 66 | 44,246 | 30,14 |
| 1827 | Jan. 0 | 14 7 47,001 | +20 5 10,92 |
| | Apr. 10 | 46,930 | 11,60 |
| | Jul. 19 | 46,855 | 12,29 |
| | Oct. 27 | 46,776 | 12,98 |
| | Dec. 66 | 46,692 | 13,67 |
| 1828 | Jan. 1 | 14 7 49,453 | +20 4 54,45 |
| | Apr. 10 | 49,367 | 55,13 |
| | Jul. 19 | 49,280 | 55,80 |
| | Oct. 27 | 49,191 | 56,44 |
| | Dec. 66 | 49,100 | 57,07 |
| 1829 | Jan. 0 | 14 7 51,863 | +20 4 37,88 |
| | Apr. 10 | 51,772 | 38,48 |
| | Jul. 19 | 51,683 | 39,05 |
| | Oct. 27 | 51,595 | 39,57 |
| | Dec. 66 | 51,509 | 40,06 |

## Tabulae X. Sect. IV. *α Bootis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,545 | +31,9 | — 7,55 | —24,4 | —3 | +2 |
| 10 | —0,219 | +32,9 | — 9,87 | —21,7 | —3 | +2 |
| 20 | +0,113 | +32,9 | —11,88 | —18,3 | —3 | +2 |
| 30 | +0,439 | +32,0 | —13,53 | —14,5 | —3 | +2 |
| Febr. 9 | +0,752 | +30,2 | —14,77 | —10,2 | —3 | +1 |
| 19 | +1,042 | +27,6 | —15,57 | — 5,8 | —3 | +1 |
| Mart. 1 | +1,304 | +24,7 | —15,92 | — 1,4 | —2 | +1 |
| 11 | +1,535 | +21,8 | —15,84 | + 2,9 | —2 | 0 |
| 21 | +1,731 | +17,9 | —15,35 | + 6,6 | —2 | 0 |
| 31 | +1,892 | +14,4 | —14,52 | + 9,8 | —1 | 0 |
| Apr. 10 | +2,018 | +10,9 | —13,39 | +12,5 | —1 | —1 |
| 20 | +2,110 | + 7,6 | —12,03 | +14,4 | 0 | —1 |
| 30 | +2,170 | + 4,5 | —10,52 | +15,5 | 0 | —1 |
| Maj. 10 | +2,200 | + 1,6 | — 8,94 | +15,9 | +1 | —1 |
| 20 | +2,202 | — 1,2 | — 7,34 | +15,7 | +1 | —1 |
| 30 | +2,177 | — 3,7 | — 5,80 | +15,0 | +1 | —1 |
| Jun. 9 | +2,129 | — 6,0 | — 4,35 | +13,7 | +2 | —1 |
| 19 | +2,058 | — 8,1 | — 3,06 | +12,0 | +2 | —1 |
| 29 | +1,968 | —10,0 | — 1,96 | + 9,9 | +2 | —1 |
| Jul. 9 | +1,859 | —11,6 | — 1,08 | + 7,7 | +3 | —1 |
| 19 | +1,736 | —12,9 | — 0,43 | + 5,2 | +3 | 0 |
| 29 | +1,602 | —13,8 | — 0,05 | + 2,5 | +3 | 0 |
| Aug. 8 | +1,460 | —14,3 | + 0,06 | — 0,3 | +3 | 0 |
| 18 | +1,317 | —14,1 | — 0,11 | — 3,1 | +3 | 0 |
| 28 | +1,178 | —13,4 | — 0,56 | — 6,0 | +3 | +1 |
| Sept. 7 | +1,049 | —12,0 | — 1,30 | — 8,9 | +2 | +1 |
| 17 | +0,939 | — 9,8 | — 2,34 | —11,9 | +2 | +2 |
| 27 | +0,854 | — 6,9 | — 3,67 | —14,7 | +2 | +2 |
| Oct. 7 | +0,802 | — 3,3 | — 5,28 | —17,5 | +1 | +2 |
| 17 | +0,789 | + 1,0 | — 7,17 | —20,2 | +1 | +3 |
| 27 | +0,821 | + 5,6 | — 9,31 | —22,5 | 0 | +3 |
| Nov. 6 | +0,900 | +11,0 | —11,67 | —24,5 | 0 | +4 |
| 16 | +1,030 | +15,4 | —14,21 | —26,1 | —1 | +4 |
| 26 | +1,208 | +20,1 | —16,89 | —27,1 | —1 | +4 |
| Dec. 6 | +1,432 | +24,4 | —19,63 | —27,4 | —2 | +4 |
| 16 | +1,696 | +28,0 | —22,36 | —26,9 | —2 | +5 |
| 26 | +1,991 | +30,7 | —25,00 | —25,5 | —2 | +5 |
| 36 | +2,309 | +32,4 | —27,46 | —23,5 | —3 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 14 6 59,9274 | +20 10 35,632 |
| 1811 | 7 2,6596 | 10 16,602 |
| 1812 | 7 5,3918 | 9 57,574 |
| 1813 | 7 8,1240 | 9 38,549 |
| 1814 | 7 10,8562 | 9 19,525 |
| 1815 | 7 13,5883 | 9 0,504 |
| 1816 | 7 16,3205 | 8 41,485 |
| 1817 | 7 19,0527 | 8 22,468 |
| 1818 | 7 21,7849 | 8 3,453 |
| 1819 | 7 24,5172 | 7 44,440 |
| 1820 | 7 27,2495 | 7 25,430 |
| 1821 | 7 29,9818 | 7 6,422 |
| 1822 | 7 32,7141 | 6 47,416 |
| 1823 | 7 35,4464 | 6 28,412 |
| 1824 | 7 38,1787 | 6 9,410 |
| 1825 | 7 40,9110 | 5 50,410 |
| 1826 | 7 43,6433 | 5 31,413 |
| 1827 | 7 46,3757 | 5 12,418 |
| 1828 | 7 49,1081 | 4 53,425 |
| 1829 | 7 51,8405 | 4 34,434 |
| 1830 | 7 54,5729 | 4 15,445 |

Diei reducto addendum est:

ante } Oct. 27 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. 1α *Librae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 14 40 12,386 | —15 11 55,37 | 1820 | Jan. 1 | 14 40 44,626 | —15 14 38,41 |
| | Apr. 10 | 12,290 | 54,74 | | Apr. 10 | 44,725 | 38,91 |
| | Jul. 19 | 12,191 | 54,16 | | Jul. 19 | 44,824 | 39,35 |
| | Oct. 27 | 12,089 | 53,62 | | Oct. 27 | 44,924 | 39,74 |
| | Dec. 66 | 11,985 | 53,12 | | Dec. 66 | 45,024 | 40,09 |
| 1811 | Jan. 0 | 14 40 15,318 | —15 12 8,72 | 1821 | Jan. 0 | 14 40 48,290 | —15 14 55,38 |
| | Apr. 10 | 15,213 | 8,26 | | Apr. 10 | 48,389 | 55,69 |
| | Jul. 19 | 15,109 | 7,85 | | Jul. 19 | 48,486 | 55,94 |
| | Oct. 27 | 15,006 | 7,50 | | Oct. 27 | 48,580 | 56,13 |
| | Dec. 66 | 14,903 | 7,21 | | Dec. 66 | 48,672 | 56,26 |
| 1812 | Jan. 1 | 14 40 18,235 | —15 12 22,73 | 1822 | Jan. 0 | 14 40 51,941 | —15 15 11,62 |
| | Apr. 10 | 18,133 | 22,49 | | Apr. 10 | 52,031 | 11,71 |
| | Jul. 19 | 18,036 | 22,31 | | Jul. 19 | 52,115 | 11,73 |
| | Oct. 27 | 17,943 | 22,20 | | Oct. 27 | 52,194 | 11,69 |
| | Dec. 66 | 17,854 | 22,15 | | Dec. 66 | 52,268 | 11,58 |
| 1813 | Jan. 0 | 14 40 21,181 | —15 12 37,58 | 1823 | Jan. 0 | 14 40 55,543 | —15 15 27,02 |
| | Apr. 10 | 21,095 | 37,58 | | Apr. 10 | 55,613 | 26,88 |
| | Jul. 19 | 21,015 | 37,65 | | Jul. 19 | 55,675 | 26,67 |
| | Oct. 27 | 20,945 | 37,79 | | Oct. 27 | 55,730 | 26,41 |
| | Dec. 66 | 20,881 | 37,99 | | Dec. 66 | 55,777 | 26,08 |
| 1814 | Jan. 0 | 14 40 24,200 | —15 12 53,34 | 1824 | Jan. 1 | 14 40 59,062 | —15 15 41,59 |
| | Apr. 10 | 24,140 | 53,58 | | Apr. 10 | 59,104 | 41,22 |
| | Jul. 19 | 24,089 | 53,88 | | Jul. 19 | 59,137 | 40,80 |
| | Oct. 27 | 24,047 | 54,24 | | Oct. 27 | 59,161 | 40,34 |
| | Dec. 66 | 24,013 | 54,67 | | Dec. 66 | 59,176 | 39,82 |
| 1815 | Jan. 0 | 14 40 27,321 | —15 13 9,94 | 1825 | Jan. 0 | 14 41 2,472 | —15 15 55,39 |
| | Apr. 10 | 27,293 | 10,39 | | Apr. 10 | 2,481 | 54,84 |
| | Jul. 19 | 27,275 | 10,89 | | Jul. 19 | 2,480 | 54,25 |
| | Oct. 27 | 27,266 | 11,43 | | Oct. 27 | 2,470 | 53,63 |
| | Dec. 66 | 27,267 | 12,02 | | Dec. 66 | 2,450 | 52,97 |
| 1816 | Jan. 1 | 14 40 30,564 | —15 13 27,24 | 1826 | Jan. 0 | 14 41 5,758 | —15 16 8,58 |
| | Apr. 10 | 30,571 | 27,85 | | Apr. 10 | 5,732 | 7,90 |
| | Jul. 19 | 30,587 | 28,48 | | Jul. 19 | 5,697 | 7,21 |
| | Oct. 27 | 30,612 | 29,14 | | Oct. 27 | 5,653 | 6,51 |
| | Dec. 66 | 30,646 | 29,83 | | Dec. 66 | 5,599 | 5,79 |
| 1817 | Jan. 0 | 14 40 33,932 | —15 13 45,01 | 1827 | Jan. 0 | 14 41 8,918 | —15 16 21,42 |
| | Apr. 10 | 33,972 | 45,70 | | Apr. 10 | 8,860 | 20,69 |
| | Jul. 19 | 34,019 | 46,40 | | Jul. 19 | 8,794 | 19,97 |
| | Oct. 27 | 34,074 | 46,10 | | Oct. 27 | 8,721 | 19,26 |
| | Dec. 66 | 34,137 | 47,81 | | Dec. 66 | 8,640 | 18,56 |
| 1818 | Jan. 0 | 14 40 37,415 | —15 14 2,98 | 1828 | Jan. 1 | 14 41 11,968 | —15 16 34,18 |
| | Apr. 10 | 37,483 | 3,68 | | Apr. 10 | 11,883 | 33,49 |
| | Jul. 19 | 37,556 | 4,36 | | Jul. 19 | 11,793 | 32,83 |
| | Oct. 27 | 37,635 | 5,03 | | Oct. 27 | 11,699 | 32,20 |
| | Dec. 66 | 37,719 | 5,68 | | Dec. 66 | 11,600 | 31,60 |
| 1819 | Jan. 0 | 14 40 40,990 | —15 14 20,37 | 1829 | Jan. 0 | 14 41 14,934 | —15 16 47,18 |
| | Apr. 10 | 41,077 | 21,50 | | Apr. 10 | 14,833 | 46,61 |
| | Jul. 19 | 41,168 | 22,09 | | Jul. 19 | 14,731 | 46,09 |
| | Oct. 27 | 41,262 | 22,65 | | Oct. 27 | 14,627 | 45,62 |
| | Dec. 66 | 41,360 | 23,18 | | Dec. 66 | 14,522 | 45,20 |

## Tabulae X. Sect. IV. 1a *Librae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,687 | +31,7 | + 3,44 | −15,2 | −3 | +1 |
| 10 | −0,362 | +32,9 | + 1,85 | −16.3 | −3 | +1 |
| 20 | −0,029 | +33,2 | + 0,19 | −16,7 | −3 | +2 |
| 30 | +0,302 | +32,7 | − 1,49 | −16,6 | −3 | +2 |
| Febr. 9 | +0,624 | +31,3 | − 3,12 | −15,9 | −3 | +2 |
| 19 | +0,928 | +29,4 | − 4,66 | −14,8 | −3 | +2 |
| Mart. 1 | +1,211 | +27,0 | − 6,07 | −13,3 | −2 | +2 |
| 11 | +1,468 | +24,3 | − 7,31 | −11,6 | −2 | +3 |
| 21 | +1,696 | +21,4 | − 8,38 | − 9,8 | −1 | +3 |
| 31 | +1,896 | +18,6 | − 9,26 | − 8,0 | −1 | +3 |
| Apr. 10 | +2,067 | +15,7 | − 9,97 | − 6,2 | 0 | +2 |
| 20 | +2,209 | +12,8 | −10,50 | − 4,5 | 0 | +2 |
| 30 | +2,323 | +10,0 | −10,87 | − 3,1 | +1 | +2 |
| Maj. 10 | +2,408 | + 7,2 | −11,11 | − 1,8 | +1 | +2 |
| 20 | +2,466 | + 4,5 | −11,23 | − 0,7 | +2 | +2 |
| 30 | +2,497 | + 1,7 | −11,24 | + 0,3 | +2 | +2 |
| Jun. 9 | +2,500 | − 1,0 | −11,17 | + 1,2 | +3 | +2 |
| 19 | +2,477 | − 3,6 | −11,01 | + 2,0 | +3 | +1 |
| 29 | +2,428 | − 6,2 | −10,78 | + 2,6 | +4 | +1 |
| Jul. 9 | +2,354 | − 8,5 | −10,49 | + 3,3 | +4 | +1 |
| 19 | +2,258 | −10,6 | −10,13 | + 3,9 | +4 | +1 |
| 29 | +2,143 | −12,2 | − 9,72 | + 4,4 | +4 | +1 |
| Aug. 8 | +2,014 | −13,4 | − 9,26 | + 4,8 | +4 | 0 |
| 18 | +1,876 | −14,0 | − 8,76 | + 5,1 | +4 | 0 |
| 28 | +1,735 | −13,8 | − 8,24 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,600 | −12,8 | − 7,73 | + 5,0 | +3 | 0 |
| 17 | +1,479 | −11,0 | − 7,24 | + 4,6 | +3 | 0 |
| 27 | +1,381 | − 8,3 | − 6,82 | + 3,8 | +3 | 0 |
| Oct. 7 | +1,314 | − 4,8 | − 6,49 | + 2,6 | +2 | 0 |
| 17 | +1,286 | − 0,6 | − 6,31 | + 1,0 | +2 | +1 |
| 27 | +1,303 | + 4,2 | − 6,30 | − 0,9 | +1 | +1 |
| Nov. 6 | +1,369 | + 9,2 | − 6,49 | − 3,1 | +1 | +1 |
| 16 | +1,487 | +14,4 | − 6,92 | − 5,6 | 0 | +2 |
| 26 | +1,656 | +19,2 | − 7,60 | − 8,0 | 0 | +2 |
| Dec. 6 | +1,871 | +23,6 | − 8,52 | −10,4 | −1 | +3 |
| 16 | +2,128 | +27,4 | − 9,68 | −12,6 | −1 | +3 |
| 26 | +2,418 | +30,3 | −11,04 | −14,4 | −1 | +4 |
| 36 | +2,733 | +32,3 | −12,55 | −15,7 | −2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 14 40 11,8848 | −15 11 59,069 |
| 1811 | 40 15,1826 | 12 14,503 |
| 1812 | 40 18,4805 | 12 29,934 |
| 1813 | 40 21,7786 | 12 45,362 |
| 1814 | 40 25,0769 | 13 0,787 |
| 1815 | 40 28,3753 | 13 16,208 |
| 1816 | 40 31,6739 | 13 31,627 |
| 1817 | 40 34,9726 | 13 47,042 |
| 1818 | 40 38,2715 | 14 2,455 |
| 1819 | 40 41,5705 | 14 17,864 |
| 1820 | 40 44,8697 | 14 33,270 |
| 1821 | 40 48,1690 | 14 48,673 |
| 1822 | 40 51,4685 | 15 4,073 |
| 1823 | 40 54,7682 | 15 19,470 |
| 1824 | 40 58,0680 | 15 34,864 |
| 1825 | 41 1,3680 | 15 50,254 |
| 1826 | 41 4,6681 | 16 5,642 |
| 1827 | 41 7,9684 | 16 21,026 |
| 1828 | 41 11,2688 | 16 36,408 |
| 1829 | 41 14,5694 | 16 51,786 |
| 1830 | 41 17,8702 | 17 7,161 |

Diei reducto addendum est:

ante } Nov. 4 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. 2a *Librae.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 14h 40′ 23″,728 | —15° 14′ 37″,44 |
| | Apr. 10 | 23,632 | 36,82 |
| | Jul. 19 | 23,533 | 36,24 |
| | Oct. 27 | 23,431 | 35,70 |
| | Dec. 66 | 23,327 | 35,20 |
| 1811 | Jan. 0 | 14 40 26,662 | —15 14 50,76 |
| | Apr. 10 | 26,557 | 50,30 |
| | Jul. 19 | 26,452 | 49,89 |
| | Oct. 27 | 26,349 | 49,55 |
| | Dec. 66 | 26,246 | 49,26 |
| 1812 | Jan. 1 | 14 40 29,580 | —15 15 4,75 |
| | Apr. 10 | 29,478 | 4,50 |
| | Jul. 19 | 29,381 | 4,32 |
| | Oct. 27 | 29,288 | 4,21 |
| | Dec. 66 | 29,199 | 4,17 |
| 1813 | Jan. 0 | 14 40 32,528 | —15 15 19,57 |
| | Apr. 10 | 32,442 | 19,57 |
| | Jul. 19 | 32,364 | 19,64 |
| | Oct. 27 | 32,292 | 19,78 |
| | Dec. 66 | 32,227 | 19,98 |
| 1814 | Jan. 0 | 14 40 35,548 | —15 15 35,30 |
| | Apr. 10 | 35,489 | 35,55 |
| | Jul. 19 | 35,438 | 35,85 |
| | Oct. 27 | 35,395 | 36,21 |
| | Dec. 66 | 35,361 | 36,63 |
| 1815 | Jan. 0 | 14 40 38,672 | —15 15 51,87 |
| | Apr. 10 | 38,644 | 52,33 |
| | Jul. 19 | 38,626 | 52,83 |
| | Oct. 27 | 38,617 | 53,37 |
| | Dec. 66 | 38,617 | 53,96 |
| 1816 | Jan. 1 | 14 40 41,916 | —15 16 9,14 |
| | Apr. 10 | 41,923 | 9,75 |
| | Jul. 19 | 41,939 | 10,39 |
| | Oct. 27 | 41,964 | 11,05 |
| | Dec. 66 | 41,998 | 11,73 |
| 1817 | Jan. 0 | 14 40 45,286 | —15 16 26,89 |
| | Apr. 10 | 45,326 | 27,58 |
| | Jul. 19 | 45,374 | 28,28 |
| | Oct. 27 | 45,429 | 28,98 |
| | Dec. 66 | 45,492 | 29,68 |
| 1818 | Jan. 0 | 14 40 48,771 | —15 16 44,83 |
| | Apr. 10 | 48,838 | 45,53 |
| | Jul. 19 | 48,911 | 46,21 |
| | Oct. 27 | 48,990 | 46,87 |
| | Dec. 66 | 49,075 | 47,52 |
| 1819 | Jan. 0 | 14 40 52,347 | —15 17 2,69 |
| | Apr. 10 | 52,435 | 3,32 |
| | Jul. 19 | 52,527 | 3,91 |
| | Oct. 27 | 52,621 | 4,47 |
| | Dec. 66 | 52,718 | 4,99 |
| 1820 | Jan. 1 | 14h 40′ 55″,986 | —15° 17′ 20″,20 |
| | Apr. 10 | 56,085 | 20,69 |
| | Jul. 19 | 56,184 | 21,14 |
| | Oct. 27 | 56,282 | 21,53 |
| | Dec. 66 | 56,384 | 21,87 |
| 1821 | Jan. 0 | 14 40 59,652 | —15 17 37,14 |
| | Apr. 10 | 59,751 | 37,44 |
| | Jul. 19 | 59,848 | 37,69 |
| | Oct. 27 | 59,942 | 37,88 |
| | Dec. 66 | 41 0,034 | 38,01 |
| 1822 | Jan. 0 | 14 41 3,305 | —15 17 53,34 |
| | Apr. 10 | 3,395 | 53,43 |
| | Jul. 19 | 3,479 | 53,45 |
| | Oct. 27 | 3,558 | 53,41 |
| | Dec. 66 | 3,632 | 53,30 |
| 1823 | Jan. 0 | 14 41 6,909 | —15 18 8,71 |
| | Apr. 10 | 6,979 | 8,57 |
| | Jul. 19 | 7,041 | 8,36 |
| | Oct. 27 | 7,096 | 8,09 |
| | Dec. 66 | 7,144 | 7,76 |
| 1824 | Jan. 1 | 14 41 10,430 | —15 18 23,24 |
| | Apr. 10 | 10,473 | 22,88 |
| | Jul. 19 | 10,507 | 22,46 |
| | Oct. 27 | 10,530 | 21,99 |
| | Dec. 66 | 10,544 | 21,47 |
| 1825 | Jan. 0 | 14 41 13,843 | —15 18 37,01 |
| | Apr. 10 | 13,852 | 36,46 |
| | Jul. 19 | 13,851 | 35,87 |
| | Oct. 27 | 13,841 | 35,25 |
| | Dec. 66 | 13,821 | 34,59 |
| 1826 | Jan. 0 | 14 41 17,130 | —15 18 50,17 |
| | Apr. 10 | 17,104 | 49,50 |
| | Jul. 19 | 17,069 | 48,81 |
| | Oct. 27 | 17,025 | 48,10 |
| | Dec. 66 | 16,972 | 47,38 |
| 1827 | Jan. 0 | 14 41 20,293 | —15 19 2,97 |
| | Apr. 10 | 20,234 | 2,25 |
| | Jul. 19 | 20,168 | 1,53 |
| | Oct. 27 | 20,095 | 0,82 |
| | Dec. 66 | 20,014 | 0,12 |
| 1828 | Jan. 1 | 14 41 23,344 | —15 19 15,71 |
| | Apr. 10 | 23,259 | 15,02 |
| | Jul. 19 | 23,169 | 14,36 |
| | Oct. 27 | 23,075 | 13,73 |
| | Dec. 66 | 22,976 | 13,13 |
| 1829 | Jan. 0 | 14 41 26,312 | —15 19 28,68 |
| | Apr. 10 | 26,211 | 28,11 |
| | Jul. 19 | 26,109 | 27,59 |
| | Oct. 27 | 26,005 | 27,12 |
| | Dec. 66 | 25,900 | 26,70 |

## Tabulae X. Sect. IV. 2a *Librae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,688 | +31,7 | + 3,45 | —15,3 | —3 | +1 |
| 10 | —0,363 | +32,9 | + 1,86 | —16,2 | —3 | +1 |
| 20 | —0,030 | +33,2 | + 0,21 | —16,7 | —3 | +2 |
| 30 | +0,301 | +32,7 | — 1,47 | —16,6 | —3 | +2 |
| Febr. 9 | +0,623 | +31,4 | — 3,10 | —15,8 | —3 | +2 |
| 19 | +0,928 | +29,4 | — 4,64 | —14,7 | —3 | +2 |
| Mart. 1 | +1,210 | +27,0 | — 6,05 | —13,3 | —2 | +2 |
| 11 | +1,467 | +24,4 | — 7,29 | —11,6 | —2 | +3 |
| 21 | +1,697 | +21,5 | — 8,36 | — 9,8 | —1 | +3 |
| 31 | +1,897 | +18,6 | — 9,25 | — 8,0 | —1 | +3 |
| Apr. 10 | +2,068 | +15,7 | — 9,95 | — 6,2 | 0 | +2 |
| 20 | +2,210 | +12,8 | —10,48 | — 4,6 | 0 | +2 |
| 30 | +2,324 | +10,0 | —10,86 | — 3,1 | +1 | +2 |
| Maj. 10 | +2,410 | + 7,2 | —11,10 | — 1,8 | +1 | +2 |
| 20 | +2,468 | + 4,5 | —11,22 | — 0,7 | +2 | +2 |
| 30 | +2,499 | + 1,7 | —11,23 | + 0,3 | +2 | +2 |
| Jun. 9 | +2,502 | — 1,0 | —11,16 | + 1,2 | +3 | +2 |
| 19 | +2,479 | — 3,6 | —11,00 | + 1,9 | +3 | +1 |
| 29 | +2,430 | — 6,2 | —10,78 | + 2,6 | +4 | +1 |
| Jul. 9 | +2,356 | — 8,5 | —10,48 | + 3,3 | +4 | +1 |
| 19 | +2,261 | —10,5 | —10,13 | + 3,8 | +4 | +1 |
| 29 | +2,146 | —12,3 | — 9,72 | + 4,4 | +4 | +1 |
| Aug. 8 | +2,016 | —13,4 | — 9,26 | + 4,8 | +4 | 0 |
| 18 | +1,878 | —14.0 | — 8,76 | + 5,1 | +4 | 0 |
| 28 | +1,737 | —13,8 | — 8,24 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,602 | —12,8 | — 7,73 | + 5,1 | +3 | 0 |
| 17 | +1,481 | —11,0 | — 7,23 | + 4,6 | +3 | 0 |
| 27 | +1,383 | — 8,3 | — 6,81 | + 3,8 | +3 | 0 |
| Oct. 7 | +1,316 | — 4,8 | — 6,48 | + 2,6 | +2 | 0 |
| 17 | +1,287 | — 0,6 | — 6,29 | + 1,0 | +2 | +1 |
| 27 | +1,304 | + 4,2 | — 6,28 | — 0,9 | +1 | +1 |
| Nov. 6 | +1,371 | + 9,2 | — 6,47 | — 3,1 | +1 | +1 |
| 16 | +1,488 | +14,3 | — 6,90 | — 5,5 | 0 | +2 |
| 26 | +1,656 | +19,2 | — 7,57 | — 8,0 | 0 | +2 |
| Dec. 6 | +1,872 | +23,7 | — 8,49 | —10,4 | —1 | +3 |
| 16 | +2,129 | +27,4 | — 9,64 | —12,6 | —1 | +3 |
| 26 | +2,419 | +30,3 | —11,00 | —14,4 | —1 | +4 |
| 36 | +2,734 | +32,3 | —12,51 | —15,7 | —2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 14 40 23,2259 | —15 14 41,149 |
| 1811 | 40 26,5256 | 14 56,553 |
| 1812 | 40 29,8255 | 15 11,954 |
| 1813 | 40 33,1255 | 15 27,352 |
| 1814 | 40 36,4257 | 15 42,747 |
| 1815 | 40 39,7260 | 15 58,139 |
| 1816 | 40 43,0265 | 16 13,527 |
| 1817 | 40 46,3271 | 16 28,913 |
| 1818 | 40 49,6279 | 16 44,295 |
| 1819 | 40 52,9289 | 16 59,674 |
| 1820 | 40 56,2300 | 17 15,050 |
| 1821 | 40 59,5313 | 17 30,423 |
| 1822 | 41 2,8327 | 17 45,793 |
| 1823 | 41 6,1343 | 18 1,160 |
| 1824 | 41 9,4360 | 18 16,523 |
| 1825 | 41 12,7380 | 18 31,882 |
| 1826 | 41 16,0400 | 18 47,239 |
| 1827 | 41 19,3422 | 19 2,593 |
| 1828 | 41 22,6446 | 19 17,944 |
| 1829 | 41 25,9471 | 19 33,292 |
| 1830 | 41 29,2497 | 19 48,637 |

Diei reducto addendum est:

ante } Nov. 4 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Coronae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 15 26 38,891 | +27 21 44,66 | 1820 | Jan. 1 | 15 27 4,237 | +27 19 27,95 |
| | Apr. 10 | 38,809 | 45,23 | | Apr. 10 | 4,315 | 27,54 |
| | Jul. 19 | 38,728 | 45,75 | | Jul. 19 | 4,390 | 27,18 |
| | Oct. 27 | 38,647 | 46,21 | | Oct. 27 | 4,463 | 26,89 |
| | Dec. 66 | 38,567 | 46,62 | | Dec. 66 | 4,534 | 26,65 |
| 1811 | Jan. 0 | 15 26 41,129 | +27 21 33,98 | 1821 | Jan. 0 | 15 27 7,047 | +27 19 14,24 |
| | Apr. 10 | 41,050 | 34,35 | | Apr. 10 | 7,116 | 14,05 |
| | Jul. 19 | 40,974 | 34,65 | | Jul. 19 | 7,181 | 13,93 |
| | Oct. 27 | 40,900 | 34,88 | | Oct. 27 | 7,242 | 13,87 |
| | Dec. 66 | 40,830 | 35,04 | | Dec. 66 | 7,299 | 13,87 |
| 1812 | Jan. 1 | 15 26 43,389 | +27 21 22,49 | 1822 | Jan. 0 | 15 27 9,817 | +27 19 1,38 |
| | Apr. 10 | 43,322 | 22,61 | | Apr. 10 | 9,871 | 1,43 |
| | Jul. 19 | 43,260 | 22,65 | | Jul. 19 | 9,919 | 1,55 |
| | Oct. 27 | 43,203 | 22,62 | | Oct. 27 | 9,961 | 1,73 |
| | Dec. 66 | 43,151 | 22,52 | | Dec. 66 | 9,998 | 1,98 |
| 1813 | Jan. 0 | 15 26 45,704 | +27 21 10,06 | 1823 | Jan. 0 | 15 27 12,522 | +27 18 49,41 |
| | Apr. 10 | 45,657 | 9,91 | | Apr. 10 | 12,554 | 49,71 |
| | Jul. 19 | 45,616 | 9,70 | | Jul. 19 | 12,580 | 50,06 |
| | Oct. 27 | 45,582 | 9,42 | | Oct. 27 | 12,598 | 50,47 |
| | Dec. 66 | 45,555 | 9,07 | | Dec. 66 | 12,610 | 50,93 |
| 1814 | Jan. 0 | 15 26 48,099 | +27 20 56,69 | 1824 | Jan. 1 | 15 27 15,143 | +27 18 38,30 |
| | Apr. 10 | 48,077 | 56,30 | | Apr. 10 | 15,150 | 38,80 |
| | Jul. 19 | 48,062 | 55,85 | | Jul. 19 | 15,150 | 39,35 |
| | Oct. 27 | 48,055 | 55,35 | | Oct. 27 | 15,142 | 39,94 |
| | Dec. 66 | 48,055 | 54,80 | | Dec. 66 | 15,127 | 40,58 |
| 1815 | Jan. 0 | 15 26 50,590 | +27 20 42,49 | 1825 | Jan. 0 | 15 27 17,670 | +27 18 27,90 |
| | Apr. 10 | 50,595 | 41,91 | | Apr. 10 | 17,650 | 28,56 |
| | Jul. 19 | 50,608 | 41,28 | | Jul. 19 | 17,623 | 29,25 |
| | Oct. 27 | 50,627 | 40,63 | | Oct. 27 | 17,589 | 29,97 |
| | Dec. 66 | 50,654 | 39,94 | | Dec. 66 | 17,549 | 30,71 |
| 1816 | Jan. 1 | 15 26 53,181 | +27 20 27,67 | 1826 | Jan. 0 | 15 27 20,099 | +27 18 17,99 |
| | Apr. 10 | 53,212 | 26,96 | | Apr. 10 | 20,054 | 18,74 |
| | Jul. 19 | 53,249 | 26,24 | | Jul. 19 | 20,004 | 19,49 |
| | Oct. 27 | 53,293 | 25,51 | | Oct. 27 | 19,948 | 20,25 |
| | Dec. 66 | 53,343 | 24,76 | | Dec. 66 | 19,886 | 21,01 |
| 1817 | Jan. 0 | 15 26 55,862 | +27 20 12,52 | 1827 | Jan. 0 | 15 27 22,443 | +27 18 8,29 |
| | Apr. 10 | 55,915 | 11,77 | | Apr. 10 | 22,378 | 9,05 |
| | Jul. 19 | 55,973 | 11,03 | | Jul. 19 | 22,309 | 9,78 |
| | Oct. 27 | 56,035 | 10,30 | | Oct. 27 | 22,237 | 10,49 |
| | Dec. 66 | 56,102 | 9,57 | | Dec. 66 | 22,160 | 11,18 |
| 1818 | Jan. 0 | 15 26 58,615 | +27 19 57,32 | 1828 | Jan. 1 | 15 27 24,722 | +27 17 58,49 |
| | Apr. 10 | 58,684 | 56,61 | | Apr. 10 | 24,644 | 59,16 |
| | Jul. 19 | 58,756 | 55,93 | | Jul. 19 | 24,564 | 59,79 |
| | Oct. 27 | 58,830 | 55,28 | | Oct. 27 | 24,484 | 18 0,37 |
| | Dec. 66 | 58,907 | 54,66 | | Dec. 66 | 24,402 | 0,90 |
| 1819 | Jan. 0 | 15 27 1,417 | +27 19 42,38 | 1829 | Jan. 0 | 15 27 26,966 | +27 17 48,27 |
| | Apr. 10 | 1,495 | 41,79 | | Apr. 10 | 26,884 | 48,77 |
| | Jul. 19 | 1,572 | 41,24 | | Jul. 19 | 26,803 | 49,20 |
| | Oct. 27 | 1,650 | 40,74 | | Oct. 27 | 26,724 | 49,58 |
| | Dec. 66 | 1,727 | 40,29 | | Dec. 66 | 26,647 | 49,90 |

## Tabulae X. Sect. IV. *α Coronae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,018 | +27,9 | − 7,72 | −27,5 | −2 | +2 |
| 10 | −0,724 | +30,5 | −10,36 | −24,8 | −2 | +2 |
| 20 | −0,408 | +32,2 | −12,68 | −21,4 | −2 | +2 |
| 30 | −0,081 | +32,9 | −14,63 | −17,2 | −3 | +2 |
| Febr. 9 | +0,249 | +32,7 | −16,12 | −12,5 | −3 | +1 |
| 19 | +0,572 | +31,7 | −17,12 | − 7,4 | −3 | +1 |
| Mart. 1 | +0,882 | +29,9 | −17,59 | − 2,1 | −3 | +1 |
| 11 | +1,170 | +27,7 | −17,54 | + 3,0 | −3 | 0 |
| 21 | +1,436 | +25,1 | −17,00 | + 7,8 | −2 | 0 |
| 31 | +1,672 | +22,1 | −15,99 | +12,1 | −2 | 0 |
| Apr. 10 | +1,878 | +19,0 | −14,59 | +15,7 | −2 | 0 |
| 20 | +2,051 | +15,7 | −12,86 | +18,5 | −1 | −1 |
| 30 | +2,191 | +12,4 | −10,8[illegible] | +20,6 | −1 | −1 |
| Maj. 10 | +2,298 | + 9,0 | − 8,75 | +21,8 | 0 | −1 |
| 20 | +2,371 | + 5,7 | − 6,54 | +22,2 | 0 | −1 |
| 30 | +2,411 | + 2,3 | − 4,32 | +21,8 | +1 | −1 |
| Jun. 9 | +2,417 | − 1,1 | − 2,19 | +20,7 | +1 | −1 |
| 19 | +2,390 | − 4,3 | − 0,19 | +19,0 | +1 | 0 |
| 29 | +2,331 | − 7,4 | + 1,61 | +16,8 | +2 | 0 |
| Jul. 9 | +2,242 | −10,3 | + 3,17 | +14,2 | +2 | 0 |
| 19 | +2,126 | −12,9 | + 4,45 | +11,2 | +2 | 0 |
| 29 | +1,985 | −15,1 | + 5,41 | + 8,0 | +2 | 0 |
| Aug. 8 | +1,824 | −16,9 | + 6,05 | + 4,7 | +3 | +1 |
| 18 | +1,648 | −18,0 | + 6,34 | + 1,1 | +3 | +1 |
| 28 | +1,464 | −18,5 | + 6,27 | − 2,5 | +3 | +1 |
| Sept. 7 | +1,279 | −18,1 | + 5,84 | − 6,1 | +3 | +2 |
| 17 | +1,102 | −16,9 | + 5,05 | − 9,8 | +2 | +2 |
| 27 | +0,942 | −14,8 | + 3,89 | −13,3 | +2 | +3 |
| Oct. 7 | +0,807 | −11,8 | + 2,39 | −16,8 | +2 | +3 |
| 17 | +0,706 | − 8,1 | + 0,54 | −20,0 | +2 | +3 |
| 27 | +0,646 | − 3,6 | − 1,61 | −23,0 | +1 | +4 |
| Nov. 6 | +0,635 | + 1,4 | − 4,05 | −25,6 | +1 | +4 |
| 16 | +0,674 | + 6,7 | − 6,72 | −27,6 | 0 | +4 |
| 26 | +0,768 | +12,0 | − 9,57 | −29,1 | 0 | +5 |
| Dec. 6 | +0,914 | +17,1 | −12,53 | −29,8 | 0 | +5 |
| 16 | +1,110 | +21,8 | −15,52 | −29,6 | −1 | +5 |
| 26 | +1,350 | +25,8 | −18,45 | −28,6 | −1 | +5 |
| 36 | +1,626 | +29,1 | −21,23 | −26,6 | −2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 15 26 38,7796 | +27 21 39,420 |
| 1811 | 26 41,3157 | 21 26,909 |
| 1812 | 26 43,8518 | 21 14,400 |
| 1813 | 26 46,3879 | 21 1,895 |
| 1814 | 26 48,9240 | 20 49,392 |
| 1815 | 26 51,4601 | 20 36,893 |
| 1816 | 26 53,9963 | 20 24,397 |
| 1817 | 26 56,5325 | 20 11,903 |
| 1818 | 26 59,0687 | 19 59,412 |
| 1819 | 27 1,6050 | 19 46,925 |
| 1820 | 27 4,1413 | 19 34,440 |
| 1821 | 27 6,6776 | 19 21,958 |
| 1822 | 27 9,2139 | 19 9,479 |
| 1823 | 27 11,7502 | 18 57,003 |
| 1824 | 27 14,2866 | 18 44,530 |
| 1825 | 27 16,8230 | 18 32,061 |
| 1826 | 27 19,3594 | 18 19,594 |
| 1827 | 27 21,8958 | 18 7,130 |
| 1828 | 27 24,4323 | 17 54,669 |
| 1829 | 27 26,9688 | 17 42,211 |
| 1830 | 27 29,5054 | 17 29,756 |

Diei reducto addendum est:

ante } Nov. 16 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Serpentis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 15 34 55,315 | + 7 1 53,41 | 1820 | Jan. 1 | 15 35 24,436 | + 6 59 48,14 |
| | Apr. 10 | 55,225 | 58,97 | | Apr. 10 | 24,524 | 47,74 |
| | Jul. 19 | 55,134 | 59,48 | | Jul. 19 | 24,612 | 47,40 |
| | Oct. 27 | 55,042 | 59,93 | | Oct. 27 | 24,699 | 47,13 |
| | Dec. 66 | 54,949 | 2 0,32 | | Dec. 66 | 24,785 | 46,91 |
| 1811 | Jan. 0 | 15 34 57,928 | + 7 1 48,37 | 1821 | Jan. 0 | 15 35 27,705 | + 6 59 35,19 |
| | Apr. 10 | 57,835 | 48,72 | | Apr. 10 | 27,790 | 35,02 |
| | Jul. 19 | 57,744 | 49,00 | | Jul. 19 | 27,871 | 34,92 |
| | Oct. 27 | 57,655 | 49,21 | | Oct. 27 | 27,949 | 34,88 |
| | Dec. 66 | 57,569 | 49,35 | | Dec. 66 | 28,023 | 34,91 |
| 1812 | Jan. 1 | 15 35 0,546 | + 7 1 37,49 | 1822 | Jan. 0 | 15 35 30,948 | + 6 59 23,11 |
| | Apr. 10 | 0,461 | 37,58 | | Apr. 10 | 31,019 | 23,18 |
| | Jul. 19 | 0,381 | 37,60 | | Jul. 19 | 31,085 | 23,32 |
| | Oct. 27 | 0,306 | 37,55 | | Oct. 27 | 31,146 | 23,53 |
| | Dec. 66 | 0,236 | 37,42 | | Dec. 66 | 31,201 | 23,80 |
| 1813 | Jan. 0 | 15 35 3,207 | + 7 1 25,66 | 1823 | Jan. 0 | 15 35 34,132 | + 6 59 11,92 |
| | Apr. 10 | 3,141 | 25,48 | | Apr. 10 | 34,183 | 12,24 |
| | Jul. 19 | 3,081 | 25,24 | | Jul. 19 | 34,226 | 12,61 |
| | Oct. 27 | 3,029 | 24,93 | | Oct. 27 | 34,262 | 13,05 |
| | Dec. 66 | 2,983 | 24,56 | | Dec. 66 | 34,291 | 13,54 |
| 1814 | Jan. 0 | 15 35 5,946 | + 7 1 12,88 | 1824 | Jan. 1 | 15 35 37,231 | + 6 59 1,59 |
| | Apr. 10 | 5,905 | 12,47 | | Apr. 10 | 37,255 | 2,12 |
| | Jul. 19 | 5,873 | 12,00 | | Jul. 19 | 37,270 | 2,69 |
| | Oct. 27 | 5,849 | 11,48 | | Oct. 27 | 37,279 | 3,30 |
| | Dec. 66 | 5,833 | 10,90 | | Dec. 66 | 37,277 | 3,96 |
| 1815 | Jan. 0 | 15 35 8,786 | + 7 0 59,28 | 1825 | Jan. 0 | 15 35 40,227 | + 6 58 51,96 |
| | Apr. 10 | 8,775 | 58,68 | | Apr. 10 | 40,221 | 52,64 |
| | Jul. 19 | 8,773 | 58,04 | | Jul. 19 | 40,206 | 53,35 |
| | Oct. 27 | 8,779 | 57,37 | | Oct. 27 | 40,183 | 54,08 |
| | Dec. 66 | 8,794 | 56,66 | | Dec. 66 | 40,152 | 54,83 |
| 1816 | Jan. 1 | 15 35 11,737 | + 7 0 45,09 | 1826 | Jan. 0 | 15 35 43,113 | + 6 58 42,80 |
| | Apr. 10 | 11,757 | 44,37 | | Apr. 10 | 43,076 | 43,57 |
| | Jul. 19 | 11,784 | 43,63 | | Jul. 19 | 43,032 | 44,33 |
| | Oct. 27 | 11,820 | 42,89 | | Oct. 27 | 42,981 | 45,09 |
| | Dec. 66 | 11,863 | 42,13 | | Dec. 66 | 42,922 | 45,85 |
| 1817 | Jan. 0 | 15 35 14,796 | + 7 0 30,58 | 1827 | Jan. 0 | 15 35 45,892 | + 6 58 33,83 |
| | Apr. 10 | 14,844 | 29,82 | | Apr. 10 | 45,829 | 34,59 |
| | Jul. 19 | 14,898 | 29,08 | | Jul. 19 | 45,760 | 35,32 |
| | Oct. 27 | 14,957 | 28,34 | | Oct. 27 | 45,686 | 36,03 |
| | Dec. 66 | 15,023 | 27,62 | | Dec. 66 | 45,606 | 36,71 |
| 1818 | Jan. 0 | 15 35 17,949 | + 7 0 16,05 | 1828 | Jan. 1 | 15 35 48,582 | + 6 58 24,72 |
| | Apr. 10 | 18,019 | 15,35 | | Apr. 10 | 48,500 | 25,38 |
| | Jul. 19 | 18,093 | 14,68 | | Jul. 19 | 48,414 | 26,00 |
| | Oct. 27 | 18,170 | 14,03 | | Oct. 27 | 48,326 | 26,57 |
| | Dec. 66 | 18,252 | 13,42 | | Dec. 66 | 48,234 | 27,09 |
| 1819 | Jan. 0 | 15 35 21,173 | + 7 0 1,83 | 1829 | Jan. 0 | 15 35 51,215 | + 6 58 15,16 |
| | Apr. 10 | 21,257 | 1,24 | | Apr. 10 | 51,122 | 15,65 |
| | Jul. 19 | 21,342 | 0,71 | | Jul. 19 | 51,030 | 16,07 |
| | Oct. 27 | 21,428 | 0,22 | | Oct. 27 | 50,938 | 16,43 |
| | Dec. 66 | 21,516 | 6 59 59,79 | | Dec. 66 | 50,846 | 16,72 |

## Tabulae X. Sect. IV. *α Serpentis.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,933 | +26,8 | — 2,78 | —21,5 | —2 | +1 |
| 10 | —0,652 | +29,0 | — 4,90 | —20,5 | —2 | +2 |
| 20 | —0,353 | +30,4 | — 6,88 | —18,9 | —3 | +2 |
| 30 | —0,044 | +31,0 | — 8,67 | —16,6 | —3 | +2 |
| Febr. 9 | +0,266 | +30,7 | —10,19 | —13,6 | —3 | +2 |
| 19 | +0,570 | +29,8 | —11,39 | —10,3 | —3 | +2 |
| Mart. 1 | +0,861 | +28,3 | —12,25 | — 6,7 | —3 | +1 |
| 11 | +1,135 | +26,4 | —12,73 | — 3,1 | —2 | +1 |
| 21 | +1,389 | +24,2 | —12,86 | + 0,5 | —2 | +1 |
| 31 | +1,619 | +21,8 | —12,64 | + 3,8 | —2 | +1 |
| Apr. 10 | +1,824 | +19,2 | —12,11 | + 6,7 | —1 | +1 |
| 20 | +2,003 | +16,6 | —11,31 | + 9,1 | —1 | +1 |
| 30 | +2,156 | +13,9 | —10,30 | +10,9 | 0 | +1 |
| Maj. 10 | +2,280 | +11,1 | — 9,13 | +12,2 | 0 | +1 |
| 20 | +2,377 | + 8,2 | — 7,86 | +12,9 | +1 | +1 |
| 30 | +2,443 | + 5,2 | — 6,55 | +13,2 | +1 | +1 |
| Jun. 9 | +2,481 | + 2,3 | — 5,23 | +13,0 | +1 | +1 |
| 19 | +2,489 | — 0,8 | — 3,96 | +12,3 | +2 | +1 |
| 29 | +2,466 | — 3,7 | — 2,78 | +11,3 | +2 | +1 |
| Jul. 9 | +2,415 | — 6,6 | — 1,71 | +10,0 | +2 | +1 |
| 19 | +2,335 | — 9,2 | — 0,78 | + 8,5 | +3 | +1 |
| 29 | +2,231 | —11,5 | — 0,01 | + 6,9 | +3 | +1 |
| Aug. 8 | +2,105 | —13,5 | + 0,59 | + 5,1 | +3 | +1 |
| 18 | +1,962 | —14,8 | + 1,01 | + 3,2 | +3 | +1 |
| 28 | +1,810 | —15,4 | + 1,23 | + 1,2 | +3 | +1 |
| Sept. 7 | +1,654 | —15,3 | + 1,24 | — 1,0 | +3 | +2 |
| 17 | +1,504 | —14,3 | + 1,04 | — 3,2 | +3 | +2 |
| 27 | +1,368 | —12,5 | + 0,61 | — 5,5 | +3 | +2 |
| Oct. 7 | +1,254 | — 9,8 | — 0,05 | — 7,8 | +2 | +2 |
| 17 | +1,172 | — 6,3 | — 0,95 | —10,3 | +2 | +3 |
| 27 | +1,128 | — 2,1 | — 2,10 | —12,8 | +1 | +3 |
| Nov. 6 | +1,130 | + 2,6 | — 3,50 | —15,1 | +1 | +3 |
| 16 | +1,179 | + 7,5 | — 5,12 | —17,2 | +1 | +4 |
| 26 | +1,279 | +12,4 | — 6,94 | —19,1 | 0 | +4 |
| Dec. 6 | +1,427 | +17,1 | — 8,93 | —20,6 | 0 | +4 |
| 16 | +1,620 | +21,3 | —11,05 | —21,5 | —1 | +5 |
| 26 | +1,853 | +24,9 | —13,22 | —21,7 | —1 | +5 |
| 36 | +2,118 | +27,8 | —15,38 | —21,3 | —2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 15 34 55,0150 | + 7 1 52,920 |
| 1811 | 34 57,9632 | 1 41,096 |
| 1812 | 35 0,9115 | 1 29,276 |
| 1813 | 35 3,8599 | 1 17,459 |
| 1814 | 35 6,8083 | 1 5,646 |
| 1815 | 35 9,7568 | 0 53,836 |
| 1816 | 35 12,7053 | 0 42,030 |
| 1817 | 35 15,6539 | 0 30,227 |
| 1818 | 35 18,6026 | 0 18,428 |
| 1819 | 35 21,5513 | 0 6,632 |
| 1820 | 35 24,5001 | 6 59 54,840 |
| 1821 | 35 27,4489 | 59 43,051 |
| 1822 | 35 30,3978 | 59 31,266 |
| 1823 | 35 33,3468 | 59 19,484 |
| 1824 | 35 36,2958 | 59 7,706 |
| 1825 | 35 39,2450 | 58 55,930 |
| 1826 | 35 42,1942 | 58 44,159 |
| 1827 | 35 45,1434 | 58 32,391 |
| 1828 | 35 48,0927 | 58 20,627 |
| 1829 | 35 51,0421 | 58 8,866 |
| 1830 | 35 53,9914 | 57 57,108 |

Diei reducto addendum est:

ante / post } Nov. 18 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. α *Scorpii.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 16h 17′ 47″,154 | —25° 59′ 49″,59 | 1820 | Jan. 1 | 16h 18′ 22″,954 | —26° 1′ 30″,67 |
| | Apr. 10 | 47,047 | 49,10 | | Apr. 10 | 23,063 | 30,97 |
| | Jul. 19 | 46,937 | 48,68 | | Jul. 19 | 23,173 | 31,21 |
| | Oct. 27 | 46,824 | 48,32 | | Oct. 27 | 23,283 | 31,38 |
| | Dec. 66 | 46,709 | 48,03 | | Dec. 66 | 23,394 | 31,49 |
| 1811 | Jan. 0 | 16 17 50,408 | —25 59 56,81 | 1821 | Jan. 0 | 16 18 27,018 | —26 1 40,11 |
| | Apr. 10 | 50,291 | 56,57 | | Apr. 10 | 27,127 | 40,18 |
| | Jul. 19 | 50,176 | 56,40 | | Jul. 19 | 27,234 | 40,15 |
| | Oct. 27 | 50,062 | 56,30 | | Oct. 27 | 27,338 | 40,06 |
| | Dec. 66 | 49,948 | 56,28 | | Dec. 66 | 27,439 | 39,91 |
| 1812 | Jan. 1 | 16 17 53,645 | —26 0 4,97 | 1822 | Jan. 0 | 16 18 31,067 | —26 1 48,61 |
| | Apr. 10 | 53,534 | 5,00 | | Apr. 10 | 31,165 | 48,41 |
| | Jul. 19 | 53,427 | 5,11 | | Jul. 19 | 31,257 | 48,14 |
| | Oct. 27 | 53,324 | 5,29 | | Oct. 27 | 31,344 | 47,81 |
| | Dec. 66 | 53,226 | 5,55 | | Dec. 66 | 31,425 | 47,41 |
| 1813 | Jan. 0 | 16 17 56,918 | —26 0 14,14 | 1823 | Jan. 0 | 16 18 35,060 | —26 1 56,19 |
| | Apr. 10 | 56,824 | 14,44 | | Apr. 10 | 35,136 | 55,75 |
| | Jul. 19 | 56,738 | 14,81 | | Jul. 19 | 35,204 | 55,26 |
| | Oct. 27 | 56,659 | 15,24 | | Oct. 27 | 35,264 | 54,71 |
| | Dec. 66 | 56,588 | 15,74 | | Dec. 66 | 35,316 | 54,11 |
| 1814 | Jan. 0 | 16 18 0,271 | —26 0 24,25 | 1824 | Jan. 1 | 16 18 38,960 | —26 2 2,95 |
| | Apr. 10 | 0,206 | 24,78 | | Apr. 10 | 39,005 | 2,32 |
| | Jul. 19 | 0,150 | 25,36 | | Jul. 19 | 39,041 | 1,65 |
| | Oct. 27 | 0,104 | 25,99 | | Oct. 27 | 39,066 | 0,94 |
| | Dec. 66 | 0,068 | 26,67 | | Dec. 66 | 39,082 | 0,20 |
| 1815 | Jan. 0 | 16 18 3,739 | —26 0 35,11 | 1825 | Jan. 0 | 16 18 42,739 | —26 2 9,08 |
| | Apr. 10 | 3,710 | 35,81 | | Apr. 10 | 42,748 | 8,32 |
| | Jul. 19 | 3,691 | 36,54 | | Jul. 19 | 42,746 | 7,55 |
| | Oct. 27 | 3,682 | 37,29 | | Oct. 27 | 42,733 | 6,77 |
| | Dec. 66 | 3,683 | 38,06 | | Dec. 66 | 42,710 | 5,97 |
| 1816 | Jan. 1 | 16 18 7,342 | —26 0 46,47 | 1826 | Jan. 0 | 16 18 46,381 | —26 2 14,86 |
| | Apr. 10 | 7,350 | 47,25 | | Apr. 10 | 46,351 | 14,06 |
| | Jul. 19 | 7,369 | 48,04 | | Jul. 19 | 46,311 | 13,27 |
| | Oct. 27 | 7,397 | 48,83 | | Oct. 27 | 46,261 | 12,49 |
| | Dec. 66 | 7,436 | 49,61 | | Dec. 66 | 46,201 | 11,72 |
| 1817 | Jan. 0 | 16 18 11,083 | —26 0 58,01 | 1827 | Jan. 0 | 16 18 49,884 | —26 2 20,59 |
| | Apr. 10 | 11,128 | 58,79 | | Apr. 10 | 49,818 | 19,84 |
| | Jul. 19 | 11,181 | 59,55 | | Jul. 19 | 49,744 | 19,12 |
| | Oct. 27 | 11,243 | 1 0,28 | | Oct. 27 | 49,662 | 18,44 |
| | Dec. 66 | 11,313 | 0,99 | | Dec. 66 | 49,573 | 17,80 |
| 1818 | Jan. 0 | 16 18 14,949 | —26 1 9,42 | 1828 | Jan. 1 | 16 18 53,266 | —26 2 26,62 |
| | Apr. 10 | 15,025 | 10,11 | | Apr. 10 | 53,171 | 26,01 |
| | Jul. 19 | 15,107 | 10,75 | | Jul. 19 | 53,071 | 25,46 |
| | Oct. 27 | 15,195 | 11,35 | | Oct. 27 | 52,967 | 24,96 |
| | Dec. 66 | 15,289 | 11,90 | | Dec. 66 | 52,857 | 24,52 |
| 1819 | Jan. 0 | 16 18 18,917 | —26 1 20,38 | 1829 | Jan. 0 | 16 18 56,556 | —26 2 33,27 |
| | Apr. 10 | 19,015 | 20,90 | | Apr. 10 | 56,444 | 32,87 |
| | Jul. 19 | 19,116 | 21,37 | | Jul. 19 | 56,331 | 32,54 |
| | Oct. 27 | 19,221 | 21,78 | | Oct. 27 | 56,215 | 32,29 |
| | Dec. 66 | 19,329 | 22,13 | | Dec. 66 | 56,099 | 32,10 |

## Tabulae X. Sect. IV. *a Scorpii.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,196 | +27,6 | + 4,19 | − 4,7 | −3 | −1 |
| 10 | −0,904 | +30,5 | + 3,64 | − 6,3 | −3 | −1 |
| 20 | −0,587 | +32,5 | + 2,94 | − 7,6 | −3 | 0 |
| 30 | −0,255 | +33,6 | + 2,13 | − 8,5 | −4 | 0 |
| Febr. 9 | +0,085 | +34,0 | + 1,25 | − 9,0 | −4 | +1 |
| 19 | +0,425 | +33,7 | + 0,33 | − 9,2 | −4 | +1 |
| Mart. 1 | +0,759 | +32,9 | − 0,59 | − 9,1 | −3 | +2 |
| 11 | +1,082 | +31,6 | − 1,48 | − 8,7 | −3 | +2 |
| 21 | +1,391 | +30,0 | − 2,32 | − 8,1 | −3 | +3 |
| 31 | +1,681 | +28,0 | − 3,10 | − 7,5 | −2 | +3 |
| Apr. 10 | +1,951 | +25,9 | − 3,81 | − 6,8 | −2 | +3 |
| 20 | +2,199 | +23,6 | − 4,46 | − 6,2 | −1 | +4 |
| 30 | +2,422 | +20,9 | − 5,04 | − 5,6 | −1 | +4 |
| Maj. 10 | +2,617 | +18,1 | − 5,57 | − 5,1 | 0 | +4 |
| 20 | +2,783 | +15,0 | − 6,06 | − 4,7 | +1 | +4 |
| 30 | +2,917 | +11,7 | − 6,50 | − 4,3 | +1 | +4 |
| Jun. 9 | +3,017 | + 8,2 | − 6,91 | − 3,9 | +2 | +4 |
| 19 | +3,080 | + 4,4 | − 7,27 | − 3,4 | +2 | +4 |
| 29 | +3,105 | + 0,6 | − 7,59 | − 3,0 | +3 | +4 |
| Jul. 9 | +3,092 | − 3,2 | − 7,86 | − 2,4 | +4 | +4 |
| 19 | +3,041 | − 6,9 | − 8,06 | − 1,6 | +4 | +4 |
| 29 | +2,955 | −10,3 | − 8,17 | − 0,7 | +4 | +3 |
| Aug. 8 | +2,836 | −13,2 | − 8,20 | + 0,3 | +4 | +3 |
| 18 | +2,691 | −15,5 | − 8,12 | + 1,4 | +5 | +3 |
| 28 | +2,526 | −17,0 | − 7,93 | + 2,5 | +5 | +2 |
| Sept. 7 | +2,351 | −17,6 | − 7,63 | + 3,5 | +5 | +2 |
| 17 | +2,174 | −17,2 | − 7,24 | + 4,4 | +4 | +2 |
| 27 | +2,008 | −15,7 | − 6,76 | + 5,1 | +4 | +2 |
| Oct. 7 | +1,861 | −13,1 | − 6,22 | + 5,5 | +4 | +1 |
| 17 | +1,746 | − 9,6 | − 5,66 | + 5,6 | +3 | +1 |
| 27 | +1,670 | − 5,2 | − 5,11 | + 5,3 | +3 | +1 |
| Nov. 6 | +1,642 | − 0,2 | − 4,61 | + 4,5 | +2 | +1 |
| 16 | +1,666 | + 5,2 | − 4,21 | + 3,3 | +2 | +2 |
| 26 | +1,746 | +10,7 | − 3,95 | + 1,8 | +1 | +2 |
| Dec. 6 | +1,880 | +16,1 | − 3,85 | + 0,1 | 0 | +2 |
| 16 | +2,067 | +21,0 | − 3,93 | − 1,8 | 0 | +3 |
| 26 | +2,299 | +25,2 | − 4,20 | − 3,6 | −1 | +3 |
| 36 | +2,571 | +28,8 | − 4,64 | − 5,3 | −1 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 16 17 46,6100 | −25 59 56,269 |
| 1811 | 17 50,2694 | −26 0 4,964 |
| 1812 | 17 53,9289 | 0 13,654 |
| 1813 | 17 57,5886 | 0 22,339 |
| 1814 | 18 1,2484 | 0 31,020 |
| 1815 | 18 4,9084 | 0 39,695 |
| 1816 | 18 8,5686 | 0 48,366 |
| 1817 | 18 12,2289 | 0 57,032 |
| 1818 | 18 15,8894 | 1 5,693 |
| 1819 | 18 19,5500 | 1 14,349 |
| 1820 | 18 23,2108 | 1 23,000 |
| 1821 | 18 26,8717 | 1 31,646 |
| 1822 | 18 30,5328 | 1 40,288 |
| 1823 | 18 34,1941 | 1 48,925 |
| 1824 | 18 37,8555 | 1 57,557 |
| 1825 | 18 41,5170 | 2 6,184 |
| 1826 | 18 45,1787 | 2 14,806 |
| 1827 | 18 48,8406 | 2 23,423 |
| 1828 | 18 52,5026 | 2 32,036 |
| 1829 | 18 56,1648 | 2 40,644 |
| 1830 | 18 59,8272 | 2 49,247 |

Diei reducto addendum est:

ante } Nov. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Herculis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 17 5 59,613 | +14 37 4,51 | 1820 | Jan. 1 | 17 6 26,569 | +14 36 2,02 |
| | Apr. 10 | 59,530 | 4,90 | | Apr. 10 | 26,651 | 1,83 |
| | Jul. 19 | 59,446 | 5,22 | | Jul. 19 | 26,733 | 1,72 |
| | Oct. 27 | 59,360 | 5,46 | | Oct. 27 | 26,814 | 1,67 |
| | Dec. 66 | 59,273 | 5,63 | | Dec. 66 | 26,894 | 1,69 |
| 1811 | Jan. 0 | 17 6 2,032 | +14 37 0,93 | 1821 | Jan. 0 | 17 6 29,598 | +14 35 57,07 |
| | Apr. 10 | 1,946 | 1,04 | | Apr. 10 | 29,677 | 57,14 |
| | Jul. 19 | 1,862 | 1,08 | | Jul. 19 | 29,753 | 57,29 |
| | Oct. 27 | 1,779 | 1,04 | | Oct. 27 | 29,826 | 57,50 |
| | Dec. 66 | 1,698 | 0,93 | | Dec. 66 | 29,895 | 57,79 |
| 1812 | Jan. 1 | 17 6 4,455 | +14 36 56,33 | 1822 | Jan. 0 | 17 6 32,602 | +14 35 53,07 |
| | Apr. 10 | 4,376 | 56,16 | | Apr. 10 | 32,669 | 53,40 |
| | Jul. 19 | 4,301 | 55,91 | | Jul. 19 | 32,731 | 53,80 |
| | Oct. 27 | 4,231 | 55,60 | | Oct. 27 | 32,788 | 54,25 |
| | Dec. 66 | 4,166 | 55,21 | | Dec. 66 | 32,839 | 54,77 |
| 1813 | Jan. 0 | 17 6 6,917 | +14 36 50,70 | 1823 | Jan. 0 | 17 6 35,553 | +14 35 49,99 |
| | Apr. 10 | 6,855 | 50,27 | | Apr. 10 | 35,600 | 50,55 |
| | Jul. 19 | 6,800 | 49,78 | | Jul. 19 | 35,641 | 51,15 |
| | Oct. 27 | 6,751 | 49,22 | | Oct. 27 | 35,675 | 51,80 |
| | Dec. 66 | 6,708 | 48,61 | | Dec. 66 | 35,702 | 52,50 |
| 1814 | Jan. 0 | 17 6 9,452 | +14 36 44,18 | 1824 | Jan. 1 | 17 6 38,424 | +14 35 47,66 |
| | Apr. 10 | 9,414 | 43,53 | | Apr. 10 | 38,446 | 48,38 |
| | Jul. 19 | 9,383 | 42,85 | | Jul. 19 | 38,461 | 49,13 |
| | Oct. 27 | 9,360 | 42,13 | | Oct. 27 | 38,468 | 49,91 |
| | Dec. 66 | 9,345 | 41,37 | | Dec. 66 | 38,468 | 50,71 |
| 1815 | Jan. 0 | 17 6 12,079 | +14 36 37,00 | 1825 | Jan. 0 | 17 6 41,200 | +14 35 45,85 |
| | Apr. 10 | 12,069 | 36,22 | | Apr. 10 | 41,194 | 46,66 |
| | Jul. 19 | 12,067 | 35,43 | | Jul. 19 | 41,181 | 47,47 |
| | Oct. 27 | 12,073 | 34,63 | | Oct. 27 | 41,160 | 48,29 |
| | Dec. 66 | 12,086 | 33,81 | | Dec. 66 | 41,131 | 49,11 |
| 1816 | Jan. 1 | 17 6 14,811 | +14 36 29,45 | 1826 | Jan. 0 | 17 6 43,872 | +14 35 44,24 |
| | Apr. 10 | 14,829 | 28,63 | | Apr. 10 | 43,838 | 45,05 |
| | Jul. 19 | 14,854 | 27,82 | | Jul. 19 | 43,798 | 45,84 |
| | Oct. 27 | 14,887 | 27,03 | | Oct. 27 | 43,750 | 46,60 |
| | Dec. 66 | 14,927 | 26,24 | | Dec. 66 | 43,696 | 47,34 |
| 1817 | Jan. 0 | 17 6 17,643 | +14 36 21,87 | 1827 | Jan. 0 | 17 6 46,446 | +14 35 42,51 |
| | Apr. 10 | 17,687 | 21,10 | | Apr. 10 | 46,388 | 43,22 |
| | Jul. 19 | 17,736 | 20,37 | | Jul. 19 | 46,324 | 43,89 |
| | Oct. 27 | 17,792 | 19,67 | | Oct. 27 | 46,255 | 44,51 |
| | Dec. 66 | 17,853 | 19,01 | | Dec. 66 | 46,181 | 45,08 |
| 1818 | Jan. 0 | 17 6 20,562 | +14 36 14,60 | 1828 | Jan. 1 | 17 6 48,937 | +14 35 40,31 |
| | Apr. 10 | 20,627 | 13,97 | | Apr. 10 | 48,860 | 40,84 |
| | Jul. 19 | 20,695 | 13,39 | | Jul. 19 | 48,781 | 41,31 |
| | Oct. 27 | 20,767 | 12,86 | | Oct. 27 | 48,699 | 41,71 |
| | Dec. 66 | 20,842 | 12,38 | | Dec. 66 | 48,614 | 42,05 |
| 1819 | Jan. 0 | 17 6 23,547 | +14 36 7,91 | 1829 | Jan. 0 | 17 6 51,373 | +14 35 37,36 |
| | Apr. 10 | 23,625 | 7,48 | | Apr. 10 | 51,287 | 37,63 |
| | Jul. 19 | 23,704 | 7,11 | | Jul. 19 | 51,202 | 37,85 |
| | Oct. 27 | 23,784 | 6,81 | | Oct. 27 | 51,116 | 37,97 |
| | Dec. 66 | 23,866 | 6,57 | | Dec. 66 | 51,031 | 38,04 |

## Tabulae X. Sect. IV. *α Herculis.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,264 | +19,2 | − 2,81 | −23,5 | −1 | +1 | 1810 | 17 5 59,8309 | +14 36 56,778 |
| 10 | −1,054 | +22,6 | − 5,13 | −22,6 | −1 | +1 | 1811 | 6 2,0610 | 36 52,128 |
| 20 | −0,812 | +25,4 | − 7,33 | −21,0 | −2 | +1 | 1812 | 6 4,7911 | 36 47,482 |
| 30 | −0,547 | +27,4 | − 9,32 | −18,5 | −2 | +1 | 1813 | 6 7,5213 | 36 42,840 |
| Febr. 9 | −0,265 | +28,7 | −11,02 | −15,3 | −2 | +1 | 1814 | 6 10,2515 | 36 38,201 |
| | | | | | | | 1815 | 6 12,9817 | 36 33,566 |
| 19 | +0,027 | +29,4 | −12,37 | −11,5 | −3 | +1 | 1816 | 6 15,7120 | 36 28,935 |
| Mart. 1 | +0,322 | +29,5 | −13,32 | − 7,4 | −3 | +1 | 1817 | 6 18,4423 | 36 24,308 |
| 11 | +0,617 | +29,1 | −13,84 | − 3,0 | −3 | +1 | 1818 | 6 21,1726 | 36 19,685 |
| 21 | +0,904 | +28,3 | −13,92 | + 1,4 | −2 | +1 | 1819 | 6 23,9030 | 36 15,065 |
| 31 | +1,182 | +27,1 | −13,56 | + 5,6 | −2 | +1 | 1820 | 6 26,6334 | 36 10,450 |
| | | | | | | | 1821 | 6 29,3639 | 36 5,839 |
| Apr. 10 | +1,445 | +25,5 | −12,81 | + 9,4 | −2 | +1 | 1822 | 6 32,0944 | 36 1,231 |
| 20 | +1,691 | +23,6 | −11,69 | +12,7 | −2 | +1 | 1823 | 6 34,8249 | 35 56,627 |
| 30 | +1,916 | +21,4 | −10,27 | +15,4 | −1 | +1 | 1824 | 6 37,5554 | 35 52,027 |
| Maj. 10 | +2,118 | +18,9 | − 8,61 | +17,5 | −1 | +1 | 1825 | 6 40,2860 | 35 47,431 |
| 20 | +2,293 | +16,0 | − 6,77 | +18,9 | −1 | +1 | 1826 | 6 43,0166 | 35 42,839 |
| | | | | | | | 1827 | 6 45,7473 | 35 38,251 |
| 30 | +2,437 | +12,9 | − 4,84 | +19,5 | 0 | +1 | 1828 | 6 48,4780 | 35 33,667 |
| Jun. 9 | +2,550 | + 9,5 | − 2,87 | +19,6 | 0 | +1 | 1829 | 6 51,2088 | 35 29,086 |
| 19 | +2,627 | + 5,9 | − 0,93 | +19,0 | +1 | +1 | 1830 | 6 53,9396 | 35 24,509 |
| 29 | +2,668 | + 2,2 | + 0,93 | +18,0 | +1 | +1 | | | |
| Jul. 9 | +2,671 | − 1,6 | + 2,66 | +16,5 | +1 | +1 | | | |
| 19 | +2,637 | − 5,3 | + 4,22 | +14,6 | +2 | +1 | | | |
| 29 | +2,566 | − 8,8 | + 5,57 | +12,4 | +2 | +1 | | | |
| Aug. 8 | +2,461 | −12,0 | + 6,70 | +10,0 | +2 | +1 | | | |
| 18 | +2,327 | −14,6 | + 7,57 | + 7,5 | +2 | +2 | | | |
| 28 | +2,169 | −16,6 | + 8,19 | + 4,8 | +3 | +2 | | | |
| Sept. 7 | +1,995 | −17,9 | + 8,52 | + 1,9 | +3 | +2 | | | |
| 17 | +1,811 | −18,3 | + 8,57 | − 1,0 | +3 | +2 | | | |
| 27 | +1,629 | −17,7 | + 8,33 | − 3,9 | +3 | +2 | | | |
| Oct. 7 | +1,457 | −16,2 | + 7,79 | − 6,9 | +3 | +3 | | | |
| 17 | +1,305 | −13,8 | + 6,96 | − 9,8 | +2 | +3 | | | |
| 27 | +1,182 | −10,5 | + 5,83 | −12,7 | +2 | +3 | | | |
| Nov. 6 | +1,095 | − 6,6 | + 4,42 | −15,5 | +2 | +4 | | | |
| 16 | +1,051 | − 2,0 | + 2,73 | −18,1 | +1 | +4 | | | |
| 26 | +1,055 | + 2,8 | + 0,81 | −20,2 | +1 | +4 | | | |
| Dec. 6 | +1,107 | + 7,7 | − 1,31 | −22,0 | +1 | +4 | | | |
| 16 | +1,208 | +12,4 | − 3,58 | −23,1 | 0 | +4 | | | |
| 26 | +1,354 | +16,7 | − 5,93 | −23,6 | 0 | +5 | | | |
| 36 | +1,541 | +20,6 | − 8,29 | −23,3 | −1 | +5 | | | |

Diei reducto addendum est:

ante / post } Dec. 9 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Ophiuchi.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 17h 26′ 7″,468 | +12° 42′ 35″,18 |
| | Apr. 10 | 7,384 | 35,52 |
| | Jul. 19 | 7,299 | 35,79 |
| | Oct. 27 | 7,212 | 35,98 |
| | Dec. 66 | 7,124 | 36,09 |
| 1811 | Jan. 0 | 17 26 9,930 | +12 42 32,90 |
| | Apr. 10 | 9,843 | 32,96 |
| | Jul. 19 | 9,757 | 32,94 |
| | Oct. 27 | 9,673 | 32,84 |
| | Dec. 66 | 9,590 | 32,67 |
| 1812 | Jan. 1 | 17 26 12,393 | +12 42 29,58 |
| | Apr. 10 | 12,313 | 29,35 |
| | Jul. 19 | 12,237 | 29,06 |
| | Oct. 27 | 12,165 | 28,69 |
| | Dec. 66 | 12,097 | 28,25 |
| 1813 | Jan. 0 | 17 26 14,896 | +12 42 25,25 |
| | Apr. 10 | 14,832 | 24,76 |
| | Jul. 19 | 14,774 | 24,22 |
| | Oct. 27 | 14,723 | 23,62 |
| | Dec. 66 | 14,679 | 22,97 |
| 1814 | Jan. 0 | 17 26 17,470 | +12 42 20,05 |
| | Apr. 10 | 17,430 | 19,37 |
| | Jul. 19 | 17,397 | 18,65 |
| | Oct. 27 | 17,372 | 17,90 |
| | Dec. 66 | 17,355 | 17,11 |
| 1815 | Jan. 0 | 17 26 20,137 | +12 42 14,23 |
| | Apr. 10 | 20,125 | 13,43 |
| | Jul. 19 | 20,121 | 12,62 |
| | Oct. 27 | 20,125 | 11,81 |
| | Dec. 66 | 20,137 | 10,98 |
| 1816 | Jan. 1 | 17 26 22,909 | +12 42 8,11 |
| | Apr. 10 | 22,926 | 7,29 |
| | Jul. 19 | 22,958 | 6,48 |
| | Oct. 27 | 22,981 | 5,69 |
| | Dec. 66 | 23,020 | 4,92 |
| 1817 | Jan. 0 | 17 26 25,783 | +12 42 2,04 |
| | Apr. 10 | 25,827 | 1,28 |
| | Jul. 19 | 25,876 | 0,57 |
| | Oct. 27 | 25,931 | 41 59,89 |
| | Dec. 66 | 25,992 | 59,25 |
| 1818 | Jan. 0 | 17 26 28,748 | +12 41 56,33 |
| | Apr. 10 | 28,812 | 55,72 |
| | Jul. 19 | 28,880 | 55,17 |
| | Oct. 27 | 28,952 | 54,68 |
| | Dec. 66 | 29,029 | 54,25 |
| 1819 | Jan. 0 | 17 26 31,779 | +12 41 51,26 |
| | Apr. 10 | 31,858 | 50,87 |
| | Jul. 19 | 31,938 | 50,54 |
| | Oct. 27 | 32,019 | 50,29 |
| | Dec. 66 | 32,102 | 50,10 |
| 1820 | Jan. 1 | 17h 26′ 34″,851 | +12° 41′ 47″,03 |
| | Apr. 10 | 34,935 | 46,89 |
| | Jul. 19 | 35,018 | 46,82 |
| | Oct. 27 | 35,100 | 46,82 |
| | Dec. 66 | 35,181 | 46,90 |
| 1821 | Jan. 0 | 17 26 37,931 | +12 41 43,75 |
| | Apr. 10 | 38,012 | 43,87 |
| | Jul. 19 | 38,089 | 44,07 |
| | Oct. 27 | 38,163 | 44,34 |
| | Dec. 66 | 38,234 | 44,68 |
| 1822 | Jan. 0 | 17 26 40,988 | +12 41 41,44 |
| | Apr. 10 | 41,007 | 41,82 |
| | Jul. 19 | 41,020 | 42,27 |
| | Oct. 27 | 41,129 | 42,77 |
| | Dec. 66 | 41,232 | 43,33 |
| 1823 | Jan. 0 | 17 26 43,992 | +12 41 40,02 |
| | Apr. 10 | 44,041 | 40,62 |
| | Jul. 19 | 44,084 | 41,26 |
| | Oct. 27 | 44,120 | 41,95 |
| | Dec. 66 | 44,149 | 42,68 |
| 1824 | Jan. 1 | 17 26 46,917 | +12 41 39,32 |
| | Apr. 10 | 46,941 | 40,07 |
| | Jul. 19 | 46,958 | 40,85 |
| | Oct. 27 | 46,967 | 41,64 |
| | Dec. 66 | 46,968 | 42,46 |
| 1825 | Jan. 0 | 17 26 49,745 | +12 41 39,08 |
| | Apr. 10 | 49,741 | 39,91 |
| | Jul. 19 | 49,729 | 40,73 |
| | Oct. 27 | 49,709 | 41,55 |
| | Dec. 66 | 49,682 | 42,36 |
| 1826 | Jan. 0 | 17 26 52,469 | +12 41 38,99 |
| | Apr. 10 | 52,436 | 39,80 |
| | Jul. 19 | 52,396 | 40,57 |
| | Oct. 27 | 52,350 | 41,32 |
| | Dec. 66 | 52,296 | 42,03 |
| 1827 | Jan. 0 | 17 26 55,092 | +12 41 38,70 |
| | Apr. 10 | 55,034 | 39,39 |
| | Jul. 19 | 54,970 | 40,02 |
| | Oct. 27 | 54,901 | 40,61 |
| | Dec. 66 | 54,827 | 41,14 |
| 1828 | Jan. 1 | 17 26 57,630 | +12 41 37,87 |
| | Apr. 10 | 57,553 | 38,36 |
| | Jul. 19 | 57,473 | 38,79 |
| | Oct. 27 | 57,390 | 39,14 |
| | Dec. 66 | 57,303 | 39,43 |
| 1829 | Jan. 0 | 17 27 0,110 | +12 41 36,25 |
| | Apr. 10 | 0,024 | 36,48 |
| | Jul. 19 | 26 59,937 | 36,64 |
| | Oct. 27 | 59,850 | 36,72 |
| | Dec. 66 | 59,763 | 36,72 |

## Tabulae X. Sect. IV. *α Ophiuchi.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,293 | +17,4 | — 2,18 | —22,4 | —1 | +1 |
| 10 | —1,100 | +20,9 | — 4,40 | —21,7 | —1 | +1 |
| 20 | —0,875 | +23,8 | — 6,52 | —20,3 | —2 | +1 |
| 30 | —0,624 | +26,1 | — 8,45 | —18,1 | —2 | +1 |
| Febr. 9 | —0,353 | +27,7 | —10,13 | —15,2 | —2 | +1 |
| 19 | —0,070 | +28,7 | —11,48 | —11,6 | —2 | +1 |
| Mart. 1 | +0,221 | +29,2 | —12,45 | — 7,5 | —3 | +1 |
| 11 | +0,513 | +29,1 | —13,02 | — 3,6 | —3 | +1 |
| 21 | +0,802 | +28,6 | —13,16 | + 0,7 | —2 | +1 |
| 31 | +1,084 | +27,7 | —12,88 | + 4,8 | —2 | +1 |
| Apr. 10 | +1,356 | +26,5 | —12,20 | + 8,6 | —2 | +1 |
| 20 | +1,613 | +24,8 | —11,16 | +11,9 | —2 | +1 |
| 30 | +1,852 | +22,9 | — 9,82 | +14,7 | —2 | +1 |
| Maj. 10 | +2,070 | +20,5 | — 8,23 | +16,8 | —1 | +1 |
| 20 | +2,262 | +17,9 | — 6,47 | +18,2 | —1 | +1 |
| 30 | +2,427 | +14,9 | — 4,59 | +19,1 | 0 | +1 |
| Jun. 9 | +2,559 | +11,5 | — 2,66 | +19,2 | 0 | +1 |
| 19 | +2,657 | + 8,0 | — 0,75 | +18,8 | 0 | +1 |
| 29 | +2,718 | + 4,2 | + 1,09 | +17,9 | +1 | +1 |
| Jul. 9 | +2,740 | + 0,3 | + 2,82 | +16,5 | +1 | +1 |
| 19 | +2,723 | — 3,6 | + 4,39 | +14,8 | +2 | +1 |
| 29 | +2,668 | — 7,3 | + 5,77 | +12,7 | +2 | +2 |
| Aug. 8 | +2,578 | —10,7 | + 6,93 | +10,5 | +2 | +2 |
| 18 | +2,455 | —13,6 | + 7,86 | + 8,1 | +2 | +2 |
| 28 | +2,306 | —15,9 | + 8,55 | + 5,5 | +3 | +2 |
| Sept. 7 | +2,137 | —17,5 | + 8,96 | + 2,8 | +3 | +2 |
| 17 | +1,956 | —18,2 | + 9,11 | + 0,2 | +3 | +3 |
| 27 | +1,773 | —18,0 | + 8,99 | — 2,7 | +3 | +3 |
| Oct. 7 | +1,597 | —16,8 | + 8,58 | — 5,6 | +3 | +3 |
| 17 | +1,438 | —14,6 | + 7,88 | — 8,4 | +2 | +3 |
| 27 | +1,305 | —11,6 | + 6,91 | —11,2 | +2 | +4 |
| Nov. 6 | +1,207 | — 7,7 | + 5,65 | —14,0 | +2 | +4 |
| 16 | +1,149 | — 3,5 | + 4,12 | —16,4 | +2 | +4 |
| 26 | +1,136 | + 1,1 | + 2,38 | —18,5 | +1 | +4 |
| Dec. 6 | +1,171 | + 5,9 | + 0,42 | —20,4 | +1 | +5 |
| 16 | +1,254 | +10,6 | — 1,69 | —21,7 | 0 | +5 |
| 26 | +1,382 | +14,9 | — 3,91 | —22,3 | 0 | +5 |
| 36 | +1,552 | +18,8 | — 6,15 | —22,2 | —1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 17 26 7,1654 | +12 42 27,104 |
| 1811 | 26 9,9420 | 42 23,942 |
| 1812 | 26 12,7186 | 42 20,783 |
| 1813 | 26 15,4953 | 42 17,629 |
| 1814 | 26 18,2721 | 42 14,478 |
| 1815 | 26 21,0488 | 42 11,332 |
| 1816 | 26 23,8256 | 42 8,190 |
| 1817 | 26 26,6024 | 42 5,051 |
| 1818 | 26 29,3792 | 42 1,917 |
| 1819 | 26 32,1560 | 41 58,786 |
| 1820 | 26 34,9329 | 41 55,660 |
| 1821 | 26 37,7098 | 41 52,538 |
| 1822 | 26 40,4868 | 41 49,419 |
| 1823 | 26 43,2638 | 41 46,305 |
| 1824 | 26 46,0409 | 41 43,194 |
| 1825 | 26 48,8180 | 41 40,088 |
| 1826 | 26 51,5951 | 41 36,985 |
| 1827 | 26 54,3723 | 41 33,887 |
| 1828 | 26 57,1495 | 41 30,792 |
| 1829 | 26 59,9267 | 41 27,702 |
| 1830 | 27 2,7039 | 41 24,615 |

Diei reducto addendum est:

ante } Dec. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Lyrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 18 30 30,678 | +38 36 57,04 | 1820 | Jan. 1 | 18 30 50,545 | +38 37 8,92 |
| | Apr. 10 | 30,619 | 57,21 | | Apr. 10 | 50,605 | 8,95 |
| | Jul. 19 | 30,558 | 57,31 | | Jul. 19 | 50,666 | 9,05 |
| | Oct. 27 | 30,496 | 57,32 | | Oct. 27 | 50,726 | 9,22 |
| | Dec. 66 | 30,432 | 57,26 | | Dec. 66 | 50,787 | 9,46 |
| 1811 | Jan. 0 | 18 30 32,483 | +38 37 0,22 | 1821 | Jan. 0 | 18 30 52,797 | +38 37 12,34 |
| | Apr. 10 | 32,420 | 0,11 | | Apr. 10 | 52,857 | 12,63 |
| | Jul. 19 | 32,356 | 36 59,92 | | Jul. 19 | 52,916 | 12,98 |
| | Oct. 27 | 32,293 | 59,65 | | Oct. 27 | 52,973 | 13,40 |
| | Dec. 66 | 32,231 | 59,30 | | Dec. 66 | 53,028 | 13,89 |
| 1812 | Jan. 1 | 18 30 34,281 | +38 37 2,36 | 1822 | Jan. 0 | 18 30 55,040 | +38 37 16,68 |
| | Apr. 10 | 34,220 | 1,97 | | Apr. 10 | 55,094 | 17,21 |
| | Jul. 19 | 34,162 | 1,52 | | Jul. 19 | 55,144 | 17,78 |
| | Oct. 27 | 34,105 | 1,01 | | Oct. 27 | 55,192 | 18,40 |
| | Dec. 66 | 34,051 | 0,42 | | Dec. 66 | 55,236 | 19,08 |
| 1813 | Jan. 0 | 18 30 36,098 | +38 37 3,56 | 1823 | Jan. 0 | 18 30 57,251 | +38 37 21,82 |
| | Apr. 10 | 36,047 | 2,95 | | Apr. 10 | 57,293 | 22,52 |
| | Jul. 19 | 36,000 | 2,29 | | Jul. 19 | 57,330 | 23,25 |
| | Oct. 27 | 35,957 | 1,58 | | Oct. 27 | 57,362 | 24,01 |
| | Dec. 66 | 35,919 | 0,83 | | Dec. 66 | 57,390 | 24,81 |
| 1814 | Jan. 0 | 18 30 37,961 | +38 37 4,03 | 1824 | Jan. 1 | 18 30 59,412 | +38 37 27,51 |
| | Apr. 10 | 37,925 | 3,26 | | Apr. 10 | 59,436 | 28,32 |
| | Jul. 19 | 37,895 | 2,48 | | Jul. 19 | 59,455 | 29,13 |
| | Oct. 27 | 37,870 | 1,67 | | Oct. 27 | 59,469 | 29,95 |
| | Dec. 66 | 37,851 | 0,85 | | Dec. 66 | 59,477 | 30,77 |
| 1815 | Jan. 0 | 18 30 39,887 | +38 37 4,07 | 1825 | Jan. 0 | 18 31 1,505 | +38 37 33,47 |
| | Apr. 10 | 39,871 | 3,24 | | Apr. 10 | 1,509 | 34,29 |
| | Jul. 19 | 39,861 | 2,42 | | Jul. 19 | 1,507 | 35,10 |
| | Oct. 27 | 39,857 | 1,61 | | Oct. 27 | 1,500 | 35,88 |
| | Dec. 66 | 39,858 | 0,80 | | Dec. 66 | 1,487 | 36,65 |
| 1816 | Jan. 1 | 18 30 41,887 | +38 37 4,02 | 1826 | Jan. 0 | 18 31 3,522 | +38 37 39,37 |
| | Apr. 10 | 41,892 | 3,22 | | Apr. 10 | 3,505 | 40,11 |
| | Jul. 19 | 41,903 | 2,46 | | Jul. 19 | 3,482 | 40,81 |
| | Oct. 27 | 41,919 | 1,73 | | Oct. 27 | 3,454 | 41,47 |
| | Dec. 66 | 41,941 | 1,03 | | Dec. 66 | 3,421 | 42,08 |
| 1817 | Jan. 0 | 18 30 43,963 | +38 37 4,21 | 1827 | Jan. 0 | 18 31 5,463 | +38 37 44,86 |
| | Apr. 10 | 43,988 | 3,54 | | Apr. 10 | 5,426 | 45,44 |
| | Jul. 19 | 44,018 | 2,92 | | Jul. 19 | 5,385 | 45,95 |
| | Oct. 27 | 44,053 | 2,35 | | Oct. 27 | 5,340 | 46,40 |
| | Dec. 66 | 44,092 | 1,83 | | Dec. 66 | 5,290 | 46,79 |
| 1818 | Jan. 0 | 18 30 46,108 | +38 37 4,95 | 1828 | Jan. 1 | 18 31 7,337 | +38 37 49,65 |
| | Apr. 10 | 46,150 | 4,47 | | Apr. 10 | 7,285 | 49,99 |
| | Jul. 19 | 46,196 | 4,06 | | Jul. 19 | 7,230 | 50,25 |
| | Oct. 27 | 46,244 | 3,71 | | Oct. 27 | 7,172 | 50,44 |
| | Dec. 66 | 46,296 | 3,43 | | Dec. 66 | 7,111 | 50,55 |
| 1819 | Jan. 0 | 18 30 48,308 | +38 37 6,47 | 1829 | Jan. 0 | 18 31 9,162 | +38 37 53,51 |
| | Apr. 10 | 48,362 | 6,23 | | Apr. 10 | 9,100 | 53,57 |
| | Jul. 19 | 48,418 | 6,07 | | Jul. 19 | 9,037 | 53,55 |
| | Oct. 27 | 48,475 | 5,98 | | Oct. 27 | 8,974 | 53,45 |
| | Dec. 66 | 48,534 | 5,96 | | Dec. 66 | 8,911 | 53,28 |

## Tabulae X. Sect. IV. *α Lyrae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,701 | + 8,8 | − 0,85 | −31,2 | 0 | +2 |
| 10 | −1,588 | +13,8 | − 3,98 | −30,8 | −1 | +2 |
| 20 | −1,426 | +18,4 | − 7,01 | −29,4 | −1 | +2 |
| 30 | −1,221 | +22,4 | − 9,85 | −26,9 | −1 | +2 |
| Febr. 9 | −0,979 | +25,8 | −12,38 | −23,3 | −2 | +2 |
| 19 | −0,705 | +28,7 | −14,50 | −18,8 | −2 | +2 |
| Mart. 1 | −0,406 | +30,9 | −16,14 | −13,7 | −2 | +1 |
| 11 | −0,088 | +32,4 | −17,23 | − 8,0 | −2 | +1 |
| 21 | +0,241 | +33,2 | −17,74 | − 2,1 | −2 | +1 |
| 31 | +0,575 | +33,4 | −17,64 | + 3,9 | −2 | 0 |
| Apr. 10 | +0,908 | +32,8 | −16,96 | + 9,6 | −2 | 0 |
| 20 | +1,231 | +31,6 | −15,73 | +14,9 | −2 | 0 |
| 30 | +1,540 | +29,8 | −13,99 | +19,5 | −2 | 0 |
| Maj. 10 | +1,827 | +27,4 | −11,83 | +23,4 | −2 | 0 |
| 20 | +2,087 | +24,3 | − 9,32 | +26,5 | −1 | 0 |
| 30 | +2,312 | +20,7 | − 6,53 | +28,7 | −1 | 0 |
| Jun. 9 | +2,500 | +16,6 | − 3,57 | +30,0 | 0 | 0 |
| 19 | +2,643 | +12,0 | − 0,53 | +30,5 | 0 | 0 |
| 29 | +2,740 | + 7,3 | + 2,52 | +30,1 | 0 | 0 |
| Jul. 9 | +2,788 | + 2,3 | + 5,49 | +29,0 | +1 | 0 |
| 19 | +2,785 | − 2,8 | + 8,31 | +27,2 | +1 | 0 |
| 29 | +2,733 | − 7,7 | +10,92 | +24,8 | +1 | 0 |
| Aug. 8 | +2,632 | −12,3 | +13,26 | +21,8 | +2 | +1 |
| 18 | +2,487 | −16,5 | +15,28 | +18,4 | +2 | +1 |
| 28 | +2,303 | −20,0 | +16,94 | +14,7 | +2 | +1 |
| Sept. 7 | +2,087 | −22,8 | +18,21 | +10,6 | +2 | +1 |
| 17 | +1,848 | −24,7 | +19,06 | + 6,3 | +2 | +2 |
| 27 | +1,594 | −25,6 | +19,47 | + 1,8 | +2 | +2 |
| Oct. 7 | +1,337 | −25,4 | +19,42 | − 2,8 | +2 | +3 |
| 17 | +1,087 | −24,2 | +18,92 | − 7,3 | +2 | +3 |
| 27 | +0,854 | −21,9 | +17,96 | −11,9 | +2 | +3 |
| Nov. 6 | +0,649 | −18,7 | +16,55 | −16,3 | +2 | +4 |
| 16 | +0,480 | −14,7 | +14,71 | −20,4 | +2 | +4 |
| 26 | +0,355 | −10,1 | +12,48 | −24,0 | +1 | +4 |
| Dec. 6 | +0,279 | − 5,1 | + 9,92 | −27,0 | +1 | +5 |
| 16 | +0,254 | + 0,2 | + 7,08 | −29,4 | +1 | +5 |
| 26 | +0,283 | + 5,6 | + 4,05 | −30,8 | 0 | +5 |
| 36 | +0,365 | +10,7 | + 0,93 | −31,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 18 30 30,3837 | +38 36 48,298 |
| 1811 | 30 32,4134 | 36 51,232 |
| 1812 | 30 34,4431 | 36 54,169 |
| 1813 | 30 36,4728 | 36 57,109 |
| 1814 | 30 38,5026 | 37 0,052 |
| 1815 | 30 40,5324 | 37 2,998 |
| 1816 | 30 42,5622 | 37 5,947 |
| 1817 | 30 44,5920 | 37 8,899 |
| 1818 | 30 46,6218 | 37 11,854 |
| 1819 | 30 48,6516 | 37 14,811 |
| 1820 | 30 50,6815 | 37 17,770 |
| 1821 | 30 52,7114 | 37 20,733 |
| 1822 | 30 54,7413 | 37 23,699 |
| 1823 | 30 56,7712 | 37 26,668 |
| 1824 | 30 58,8011 | 37 29,640 |
| 1825 | 31 0,8310 | 37 32,616 |
| 1826 | 31 2,8610 | 37 35,594 |
| 1827 | 31 4,8910 | 37 38,574 |
| 1828 | 31 6,9210 | 37 41,558 |
| 1829 | 31 8,9510 | 37 44,545 |
| 1830 | 31 10,9810 | 37 47,534 |

Diei reducto addendum est:

ante } Dec. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. γ *Aquilae.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 19h 37′ 13″,919 | +10° 9′ 40″,01 |
| | Apr. 10 | 13,834 | 39,99 |
| | Jul. 19 | 13,748 | 39,90 |
| | Oct. 27 | 13,659 | 39,73 |
| | Dec. 66 | 13,569 | 39,49 |
| 1811 | Jan. 0 | 19 37 16,454 | +10 9 47,83 |
| | Apr. 10 | 16,364 | 47,54 |
| | Jul. 19 | 16,275 | 47,18 |
| | Oct. 27 | 16,187 | 46,76 |
| | Dec. 66 | 16,100 | 46,27 |
| 1812 | Jan. 1 | 19 37 18,983 | +10 9 54,70 |
| | Apr. 10 | 18,898 | 54,17 |
| | Jul. 19 | 18,817 | 53,59 |
| | Oct. 27 | 18,740 | 52,96 |
| | Dec. 66 | 18,666 | 52,28 |
| 1813 | Jan. 0 | 19 37 21,545 | +10 10 0,77 |
| | Apr. 10 | 21,475 | 0,07 |
| | Jul. 19 | 21,412 | 9 59,34 |
| | Oct. 27 | 21,355 | 58,58 |
| | Dec. 66 | 21,304 | 57,80 |
| 1814 | Jan. 0 | 19 37 24,175 | +10 10 6,32 |
| | Apr. 10 | 24,129 | 5,53 |
| | Jul. 19 | 24,090 | 4,73 |
| | Oct. 27 | 24,059 | 3,94 |
| | Dec. 66 | 24,035 | 3,14 |
| 1815 | Jan. 0 | 19 37 26,897 | +10 10 11,67 |
| | Apr. 10 | 26,879 | 10,88 |
| | Jul. 19 | 26,869 | 10,12 |
| | Oct. 27 | 26,867 | 9,37 |
| | Dec. 66 | 26,873 | 8,65 |
| 1816 | Jan. 1 | 19 37 29,726 | +10 10 17,16 |
| | Apr. 10 | 29,738 | 16,46 |
| | Jul. 19 | 29,757 | 15,81 |
| | Oct. 27 | 29,784 | 15,20 |
| | Dec. 66 | 29,819 | 14,63 |
| 1817 | Jan. 0 | 19 37 32,661 | +10 10 23,09 |
| | Apr. 10 | 32,700 | 22,56 |
| | Jul. 19 | 32,746 | 22,09 |
| | Oct. 27 | 32,798 | 21,68 |
| | Dec. 66 | 32,857 | 21,32 |
| 1818 | Jan. 0 | 19 37 35,691 | +10 10 29,71 |
| | Apr. 10 | 35,853 | 29,41 |
| | Jul. 19 | 35,820 | 29,17 |
| | Oct. 27 | 35,891 | 29,00 |
| | Dec. 66 | 35,967 | 28,89 |
| 1819 | Jan. 0 | 19 37 38,796 | +10 10 37,20 |
| | Apr. 10 | 38,874 | 37,14 |
| | Jul. 19 | 38,955 | 37,16 |
| | Oct. 27 | 39,037 | 37,24 |
| | Dec. 66 | 39,122 | 37,40 |

| | | | |
|---|---|---|---|
| 1820 | Jan. 1 | 19h 37′ 41″,949 | +10° 10′ 45″,62 |
| | Apr. 10 | 42,034 | 45,82 |
| | Jul. 19 | 42,120 | 46,09 |
| | Oct. 27 | 42,205 | 46,42 |
| | Dec. 66 | 42,290 | 46,82 |
| 1821 | Jan. 0 | 19 37 45,117 | +10 10 54,97 |
| | Apr. 10 | 45,201 | 55,40 |
| | Jul. 19 | 45,282 | 55,89 |
| | Oct. 27 | 45,361 | 56,43 |
| | Dec. 66 | 45,438 | 57,03 |
| 1822 | Jan. 0 | 19 37 48,268 | +10 11 5,12 |
| | Apr. 10 | 48,341 | 5,75 |
| | Jul. 19 | 48,410 | 6,41 |
| | Oct. 27 | 48,474 | 7,11 |
| | Dec. 66 | 48,534 | 7,84 |
| 1823 | Jan. 0 | 19 37 51,370 | +10 11 15,89 |
| | Apr. 10 | 51,425 | 16,64 |
| | Jul. 19 | 51,474 | 17,40 |
| | Oct. 27 | 51,516 | 18,18 |
| | Dec. 66 | 51,552 | 18,98 |
| 1824 | Jan. 1 | 19 37 54,396 | +10 11 27,01 |
| | Apr. 10 | 54,426 | 27,80 |
| | Jul. 19 | 54,449 | 28,59 |
| | Oct. 27 | 54,464 | 29,37 |
| | Dec. 66 | 54,471 | 30,13 |
| 1825 | Jan. 0 | 19 37 57,324 | +10 11 38,18 |
| | Apr. 10 | 57,326 | 38,93 |
| | Jul. 19 | 57,320 | 39,64 |
| | Oct. 27 | 57,305 | 40,32 |
| | Dec. 66 | 57,282 | 40,97 |
| 1826 | Jan. 0 | 19 38 0,146 | +10 11 49,07 |
| | Apr. 10 | 0,118 | 49,69 |
| | Jul. 19 | 0,082 | 50,25 |
| | Oct. 27 | 0,039 | 50,76 |
| | Dec. 66 | 37 59,988 | 51,21 |
| 1827 | Jan. 0 | 19 38 2,861 | +10 11 59,38 |
| | Apr. 10 | 2,806 | 59,79 |
| | Jul. 19 | 2,745 | 12 0,13 |
| | Oct. 27 | 2,678 | 0,40 |
| | Dec. 66 | 2,605 | 0,60 |
| 1828 | Jan. 1 | 19 38 5,485 | +10 12 8,85 |
| | Apr. 10 | 5,409 | 9,00 |
| | Jul. 19 | 5,329 | 9,08 |
| | Oct. 27 | 5,246 | 9,08 |
| | Dec. 66 | 5,159 | 9,01 |
| 1829 | Jan. 0 | 19 38 8,043 | +10 12 17,36 |
| | Apr. 10 | 7,955 | 17,23 |
| | Jul. 19 | 7,866 | 17,03 |
| | Oct. 27 | 7,777 | 16,76 |
| | Dec. 66 | 7,687 | 16,41 |

## Tabulae X. Sect. IV. γ *Aquilae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,292 | + 5,1 | + 0,12 | −17,1 | +1 | +1 |
| 10 | −1,222 | + 8,8 | − 1,61 | −17,3 | 0 | +1 |
| 20 | −1,117 | +12,2 | − 3,34 | −16,9 | 0 | +1 |
| 30 | −0,978 | +15,4 | − 4,99 | −15,8 | −1 | +1 |
| Febr. 9 | −0,809 | +18,3 | − 6,49 | −13,9 | −1 | +1 |
| 19 | −0,612 | +20,9 | − 7,76 | −11,3 | −2 | +1 |
| Mart. 1 | −0,391 | +23,2 | − 8,74 | − 8,2 | −2 | +1 |
| 11 | −0,149 | +25,2 | − 9,39 | − 4,6 | −2 | +1 |
| 21 | +0,112 | +26,8 | − 9,66 | − 0,8 | −2 | +1 |
| 31 | +0,386 | +28,0 | − 9,55 | + 3,1 | −3 | 0 |
| Apr. 10 | +0,672 | +28,9 | − 9,05 | + 6,9 | −3 | 0 |
| 20 | +0,964 | +29,3 | − 8,17 | +10,5 | −3 | 0 |
| 30 | +1,257 | +29,2 | − 6,95 | +13,7 | −3 | 0 |
| Maj. 10 | +1,547 | +28,5 | − 5,44 | +16,3 | −2 | 0 |
| 20 | +1,827 | +27,2 | − 3,69 | +18,5 | −2 | 0 |
| 30 | +2,091 | +25,3 | − 1,75 | +20,0 | −2 | +1 |
| Jun. 9 | +2,333 | +22,9 | + 0,30 | +20,8 | −1 | +1 |
| 19 | +2,548 | +19,8 | + 2,41 | +21,1 | −1 | +1 |
| 29 | +2,728 | +16,2 | + 4,51 | +20,8 | −1 | +1 |
| Jul. 9 | +2,871 | +12,2 | + 6,56 | +20,0 | 0 | +1 |
| 19 | +2,972 | + 7,9 | + 8,50 | +18,7 | 0 | +1 |
| 29 | +3,029 | + 3,5 | +10,29 | +17,0 | 0 | +2 |
| Aug. 8 | +3,041 | − 1,0 | +11,90 | +15,1 | +1 | +2 |
| 18 | +3,010 | − 5,2 | +13,31 | +12,9 | +1 | +2 |
| 28 | +2,938 | − 9,0 | +14,48 | +10,6 | +2 | +2 |
| Sept. 7 | +2,831 | −12,2 | +15,43 | + 8,2 | +2 | +3 |
| 17 | +2,694 | −14,8 | +16,12 | + 5,7 | +2 | +3 |
| 27 | +2,535 | −16,5 | +16,56 | + 3,1 | +2 | +3 |
| Oct. 7 | +2,364 | −17,3 | +16,74 | + 0,6 | +3 | +3 |
| 17 | +2,189 | −17,2 | +16,67 | − 2,1 | +3 | +4 |
| 27 | +2,020 | −16,2 | +16,33 | − 4,6 | +3 | +4 |
| Nov. 6 | +1,866 | −14,3 | +15,75 | − 7,1 | +2 | +4 |
| 16 | +1,734 | −11,7 | +14,91 | − 9,6 | +2 | +4 |
| 26 | +1,632 | − 8,6 | +13,84 | −11,8 | +2 | +4 |
| Dec. 6 | +1,563 | − 5,0 | +12,56 | −13,8 | +2 | +5 |
| 16 | +1,532 | − 1,2 | +11,09 | −15,4 | +1 | +5 |
| 26 | +1,539 | + 2,7 | + 9,47 | −16,6 | +1 | +5 |
| 36 | +1,585 | + 6,5 | + 7,76 | −17,3 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 19 37 13,5462 | + 10 9 31,295 |
| 1811 | 37 16,4013 | 9 39,546 |
| 1812 | 37 19,2563 | 9 47,800 |
| 1813 | 37 22,1113 | 9 56,058 |
| 1814 | 37 24,9663 | 10 4,320 |
| 1815 | 37 27,8214 | 10 12,586 |
| 1816 | 37 30,6764 | 10 20,855 |
| 1817 | 37 33,5314 | 10 29,128 |
| 1818 | 37 36,3864 | 10 37,405 |
| 1819 | 37 39,2413 | 10 45,686 |
| 1820 | 37 42,0963 | 10 53,970 |
| 1821 | 37 44,9513 | 11 2,258 |
| 1822 | 37 47,8063 | 11 10,550 |
| 1823 | 37 50,6612 | 11 18,846 |
| 1824 | 37 53,5161 | 11 27,146 |
| 1825 | 37 56,3710 | 11 35,449 |
| 1826 | 37 59,2259 | 11 43,756 |
| 1827 | 38 2,0808 | 11 52,067 |
| 1828 | 38 4,9357 | 12 0,382 |
| 1829 | 38 7,7906 | 12 8,700 |
| 1830 | 38 10,6455 | 12 17,022 |

Diei reducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Aquilae.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 19h 41′ 31″,078 | + 8° 22′ 39″,55 | 1820 | Jan. 1 | 19h 41′ 59″,851 | + 8° 23′ 52″,40 |
| | Apr. 10 | 30,991 | 39,52 | | Apr. 10 | 59,938 | 52,61 |
| | Jul. 19 | 30,903 | 39,42 | | Jul. 19 | 42 0,024 | 52,89 |
| | Oct. 27 | 30,813 | 39,24 | | Oct. 27 | 0,111 | 53,23 |
| | Dec. 66 | 30,722 | 38,99 | | Dec. 66 | 0,197 | 53,63 |
| 1811 | Jan. 0 | 19 41 33,682 | + 8 22 48,05 | 1821 | Jan. 0 | 19 42 3,097 | + 8 24 2,50 |
| | Apr. 10 | 33,590 | 47,74 | | Apr. 10 | 3,182 | 2,94 |
| | Jul. 19 | 33,500 | 47,37 | | Jul. 19 | 3,265 | 3,44 |
| | Oct. 27 | 33,410 | 46,94 | | Oct. 27 | 3,345 | 3,99 |
| | Dec. 66 | 33,322 | 46,45 | | Dec. 66 | 3,422 | 4,59 |
| 1812 | Jan. 1 | 19 41 36,280 | + 8 22 55,59 | 1822 | Jan. 0 | 19 42 6,325 | + 8 24 13,39 |
| | Apr. 10 | 36,194 | 55,05 | | Apr. 10 | 6,399 | 14,02 |
| | Jul. 19 | 36,112 | 54,47 | | Jul. 19 | 6,469 | 14,69 |
| | Oct. 27 | 36,034 | 53,83 | | Oct. 27 | 6,533 | 15,39 |
| | Dec. 66 | 35,960 | 53,15 | | Dec. 66 | 6,593 | 16,13 |
| 1813 | Jan. 0 | 19 41 38,913 | + 8 23 2,36 | 1823 | Jan. 0 | 19 42 9,503 | + 8 24 24,89 |
| | Apr. 10 | 38,843 | 1,65 | | Apr. 10 | 9,558 | 25,64 |
| | Jul. 19 | 38,779 | 0,92 | | Jul. 19 | 9,607 | 26,40 |
| | Oct. 27 | 38,721 | 0,16 | | Oct. 27 | 9,649 | 27,18 |
| | Dec. 66 | 38,670 | 22 59,38 | | Dec. 66 | 9,685 | 27,97 |
| 1814 | Jan. 0 | 19 41 41,615 | + 8 23 8,62 | 1824 | Jan. 1 | 19 42 12,603 | + 8 24 36,72 |
| | Apr. 10 | 41,569 | 7,83 | | Apr. 10 | 12,633 | 37,51 |
| | Jul. 19 | 41,530 | 7,03 | | Jul. 19 | 12,655 | 38,30 |
| | Oct. 27 | 41,499 | 6,24 | | Oct. 27 | 12,670 | 39,07 |
| | Dec. 66 | 41,476 | 5,45 | | Dec. 66 | 12,677 | 39,82 |
| 1815 | Jan. 0 | 19 41 44,412 | + 8 23 14,69 | 1825 | Jan. 0 | 19 42 15,604 | + 8 24 48,59 |
| | Apr. 10 | 44,394 | 13,90 | | Apr. 10 | 15,605 | 49,33 |
| | Jul. 19 | 44,384 | 13,14 | | Jul. 19 | 15,598 | 50,04 |
| | Oct. 27 | 44,383 | 12,40 | | Oct. 27 | 15,583 | 50,71 |
| | Dec. 66 | 44,390 | 11,69 | | Dec. 66 | 15,559 | 51,35 |
| 1816 | Jan. 1 | 19 41 47,316 | + 8 23 20,91 | 1826 | Jan. 0 | 19 42 18,496 | + 8 25 0,17 |
| | Apr. 10 | 47,328 | 20,22 | | Apr. 10 | 18,467 | 0,78 |
| | Jul. 19 | 47,348 | 19,58 | | Jul. 19 | 18,431 | 1,33 |
| | Oct. 27 | 47,376 | 18,98 | | Oct. 27 | 18,387 | 1,82 |
| | Dec. 66 | 47,412 | 18,42 | | Dec. 66 | 18,335 | 2,26 |
| 1817 | Jan. 0 | 19 41 50,328 | + 8 23 27,59 | 1827 | Jan. 0 | 19 42 21,281 | + 8 25 11,15 |
| | Apr. 10 | 50,368 | 27,07 | | Apr. 10 | 21,225 | 11,55 |
| | Jul. 19 | 50,415 | 26,61 | | Jul. 19 | 21,162 | 11,87 |
| | Oct. 27 | 50,468 | 26,21 | | Oct. 27 | 21,094 | 12,13 |
| | Dec. 66 | 50,528 | 25,88 | | Dec. 66 | 21,020 | 12,32 |
| 1818 | Jan. 0 | 19 41 53,436 | + 8 23 34,97 | 1828 | Jan. 1 | 19 42 23,974 | + 8 25 21,30 |
| | Apr. 10 | 53,500 | 34,68 | | Apr. 10 | 23,896 | 21,44 |
| | Jul. 19 | 53,568 | 34,45 | | Jul. 19 | 23,815 | 21,50 |
| | Oct. 27 | 53,640 | 34,29 | | Oct. 27 | 23,730 | 21,49 |
| | Dec. 66 | 53,717 | 34,20 | | Dec. 66 | 23,642 | 21,40 |
| 1819 | Jan. 0 | 19 41 56,620 | + 8 23 43,22 | 1829 | Jan. 0 | 19 42 26,601 | + 8 25 30,47 |
| | Apr. 10 | 56,699 | 43,18 | | Apr. 10 | 26,511 | 30,33 |
| | Jul. 19 | 56,781 | 43,20 | | Jul. 19 | 26,421 | 30,12 |
| | Oct. 27 | 56,865 | 43,30 | | Oct. 27 | 26,330 | 29,84 |
| | Dec. 66 | 56,951 | 43,47 | | Dec. 66 | 26,239 | 29,48 |

## Tabulae X. Sect. IV. *α Aquilae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,278 | + 4,9 | + 0,01 | —16,0 | +1 | +1 |
| 10 | —1,211 | + 8,6 | — 1,61 | —16,2 | 0 | +1 |
| 20 | —1,107 | +12,1 | — 3,22 | —15,8 | 0 | +1 |
| 30 | —0,970 | +15,2 | — 4,76 | —14,6 | —1 | +1 |
| Febr. 9 | —0,803 | +18,1 | — 6,14 | —12,8 | —1 | +1 |
| 19 | —0,609 | +20,7 | — 7,31 | —10,4 | —2 | +1 |
| Mart. 1 | —0,390 | +23,0 | — 8,21 | — 7,4 | —2 | +1 |
| 11 | —0,150 | +25,0 | — 8,78 | — 4,0 | —2 | +1 |
| 21 | +0,109 | +26,7 | — 9,00 | — 0,3 | —3 | 0 |
| 31 | +0,383 | +28,0 | — 8,84 | + 3,5 | —3 | 0 |
| Apr. 10 | +0,668 | +28,9 | — 8,31 | + 7,1 | —3 | 0 |
| 20 | +0,961 | +29,4 | — 7,42 | +10,5 | —3 | 0 |
| 30 | +1,255 | +29,3 | — 6,21 | +13,6 | —3 | 0 |
| Maj. 10 | +1,547 | +28,8 | — 4,71 | +16,1 | —2 | 0 |
| 20 | +1,830 | +27,6 | — 2,99 | +18,1 | —2 | 0 |
| 30 | +2,098 | +25,7 | — 1,09 | +19,5 | —2 | +1 |
| Jun. 9 | +2,344 | +23,3 | + 0,91 | +20,3 | —2 | +1 |
| 19 | +2,563 | +20,3 | + 2,96 | +20,5 | —1 | +1 |
| 29 | +2,750 | +16,8 | + 5,01 | +20,2 | —1 | +1 |
| Jul. 9 | +2,898 | +12,8 | + 6,99 | +19,3 | 0 | +1 |
| 19 | +3,005 | + 8,6 | + 8,86 | +18,0 | 0 | +2 |
| 29 | +3,069 | + 4,1 | +10,58 | +16,4 | 0 | +2 |
| Aug. 8 | +3,087 | — 0,4 | +12,13 | +14,5 | +1 | +2 |
| 18 | +3,062 | — 4,5 | +13,48 | +12,4 | +1 | +2 |
| 28 | +2,997 | — 8,4 | +14,60 | +10,1 | +2 | +3 |
| Sept. 7 | +2,895 | —11,7 | +15,50 | + 7,8 | +2 | +3 |
| 17 | +2,763 | —14,3 | +16,16 | + 5,4 | +2 | +3 |
| 27 | +2,610 | —16,1 | +16,58 | + 3,0 | +2 | +3 |
| Oct. 7 | +2,442 | —17,0 | +16,75 | + 0,6 | +3 | +4 |
| 17 | +2,271 | —16,9 | +16,69 | — 1,9 | +3 | +4 |
| 27 | +2,105 | —15,9 | +16,38 | — 4,3 | +3 | +4 |
| Nov. 6 | +1,953 | —14,2 | +15,84 | — 6,6 | +3 | +4 |
| 16 | +1,822 | —11,6 | +15,06 | — 8,9 | +2 | +4 |
| 26 | +1,721 | — 8,5 | +14,07 | —11,0 | +2 | +4 |
| Dec. 6 | +1,652 | — 5,0 | +12,87 | —12,9 | +2 | +5 |
| 16 | +1,621 | — 1,3 | +11,50 | —14,4 | +1 | +5 |
| 26 | +1,627 | + 2,6 | +10,00 | —15,5 | +1 | +5 |
| 36 | +1,672 | + 6,3 | + 8,40 | —16,1 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 19 41 30,7062 | + 8 22 30,867 |
| 1811 | 41 33,6350 | 22 39,832 |
| 1812 | 41 36,5638 | 22 48,801 |
| 1813 | 41 39,4926 | 22 57,774 |
| 1814 | 41 42,4214 | 23 6,751 |
| 1815 | 41 45,3502 | 23 15,730 |
| 1816 | 41 48,2789 | 23 24,714 |
| 1817 | 41 51,2076 | 23 33,702 |
| 1818 | 41 54,1363 | 23 42,694 |
| 1819 | 41 57,0650 | 23 51,690 |
| 1820 | 41 59,9937 | 24 0,690 |
| 1821 | 42 2,9224 | 24 9,694 |
| 1822 | 42 5,8511 | 24 18,701 |
| 1823 | 42 8,7798 | 24 27,712 |
| 1824 | 42 11,7084 | 24 36,727 |
| 1825 | 42 14,6370 | 24 45,746 |
| 1826 | 42 17,5656 | 24 54,769 |
| 1827 | 42 20,4942 | 25 3,796 |
| 1828 | 42 23,4228 | 25 12,826 |
| 1829 | 42 26,3514 | 25 21,860 |
| 1830 | 42 29,2798 | 25 30,898 |

Diei reducto addendum est:

ante } Jan. 13 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. β *Aquilae.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | h 19 45′ 59″,140 | + ° 5 56′ 34″,79 |
| | Apr. 10 | 59,052 | 34,75 |
| | Jul. 19 | 58,962 | 34,64 |
| | Oct. 27 | 58,870 | 34,45 |
| | Dec. 66 | 58,777 | 34,19 |
| 1811 | Jan. 0 | 19 46 1,759 | + 5 56 42,73 |
| | Apr. 10 | 1,665 | 42,42 |
| | Jul. 19 | 1,573 | 42,05 |
| | Oct. 27 | 1,482 | 41,61 |
| | Dec. 66 | 1,393 | 41,10 |
| 1812 | Jan. 1 | 19 46 4,373 | + 5 56 49,73 |
| | Apr. 10 | 4,286 | 49,19 |
| | Jul. 19 | 4,203 | 48,60 |
| | Oct. 27 | 4,124 | 47,96 |
| | Dec. 66 | 4,049 | 47,27 |
| 1813 | Jan. 0 | 19 46 7,024 | + 5 56 55,97 |
| | Apr. 10 | 6,952 | 55,26 |
| | Jul. 19 | 6,889 | 54,52 |
| | Oct. 27 | 6,831 | 53,76 |
| | Dec. 66 | 6,779 | 52,98 |
| 1814 | Jan. 0 | 19 46 9,746 | + 5 57 1,70 |
| | Apr. 10 | 9,700 | 0,91 |
| | Jul. 19 | 9,661 | 0,12 |
| | Oct. 27 | 9,631 | 56 59,33 |
| | Dec. 66 | 9,608 | 58,54 |
| 1815 | Jan. 0 | 19 46 12,565 | + 5 57 7,27 |
| | Apr. 10 | 12,548 | 6,50 |
| | Jul. 19 | 12,539 | 5,74 |
| | Oct. 27 | 12,539 | 5,01 |
| | Dec. 66 | 12,547 | 4,30 |
| 1816 | Jan. 1 | 19 46 15,494 | + 5 57 13,01 |
| | Apr. 10 | 15,508 | 12,33 |
| | Jul. 19 | 15,529 | 11,69 |
| | Oct. 27 | 15,559 | 11,10 |
| | Dec. 66 | 15,597 | 10,56 |
| 1817 | Jan. 0 | 19 46 18,532 | + 5 57 19,21 |
| | Apr. 10 | 18,574 | 18,70 |
| | Jul. 19 | 18,623 | 18,26 |
| | Oct. 27 | 18,678 | 17,87 |
| | Dec. 66 | 18,740 | 17,54 |
| 1818 | Jan. 0 | 19 46 21,668 | + 5 57 26,12 |
| | Apr. 10 | 21,734 | 25,84 |
| | Jul. 19 | 21,804 | 25,62 |
| | Oct. 27 | 21,878 | 25,48 |
| | Dec. 66 | 21,957 | 25,40 |
| 1819 | Jan. 0 | 19 46 24,880 | + 5 57 33,90 |
| | Apr. 10 | 24,961 | 33,87 |
| | Jul. 19 | 25,045 | 33,91 |
| | Oct. 27 | 25,131 | 34,02 |
| | Dec. 66 | 25,219 | 34,20 |
| 1820 | Jan. 1 | h 19 46′ 28″,139 | + ° 5 57′ 42″,61 |
| | Apr. 10 | 28,228 | 42,84 |
| | Jul. 19 | 28,316 | 43,13 |
| | Oct. 27 | 28,404 | 43,48 |
| | Dec. 66 | 28,491 | 43,89 |
| 1821 | Jan. 0 | 19 46 31,412 | + 5 57 52,23 |
| | Apr. 10 | 31,499 | 52,69 |
| | Jul. 19 | 31,583 | 53,19 |
| | Oct. 27 | 31,663 | 53,75 |
| | Dec. 66 | 31,741 | 54,35 |
| 1822 | Jan. 0 | 19 46 34,666 | + 5 58 2,64 |
| | Apr. 10 | 34,741 | 3,28 |
| | Jul. 19 | 34,812 | 3,95 |
| | Oct. 27 | 34,876 | 4,65 |
| | Dec. 66 | 34,937 | 5,39 |
| 1823 | Jan. 0 | 19 46 37,867 | + 5 58 13,63 |
| | Apr. 10 | 37,924 | 14,38 |
| | Jul. 19 | 37,974 | 15,15 |
| | Oct. 27 | 38,015 | 15,93 |
| | Dec. 66 | 38,050 | 16,72 |
| 1824 | Jan. 1 | 19 46 40,989 | + 5 58 24,95 |
| | Apr. 10 | 41,019 | 25,74 |
| | Jul. 19 | 41,041 | 26,52 |
| | Oct. 27 | 41,055 | 27,28 |
| | Dec. 66 | 41,061 | 28,03 |
| 1825 | Jan. 0 | 19 46 44,010 | + 5 58 36,29 |
| | Apr. 10 | 44,010 | 37,02 |
| | Jul. 19 | 44,002 | 37,72 |
| | Oct. 27 | 43,985 | 38,39 |
| | Dec. 66 | 43,960 | 39,02 |
| 1826 | Jan. 0 | 19 46 46,919 | + 5 58 47,32 |
| | Apr. 10 | 46,889 | 47,91 |
| | Jul. 19 | 46,851 | 48,45 |
| | Oct. 27 | 46,805 | 48,94 |
| | Dec. 66 | 46,751 | 49,37 |
| 1827 | Jan. 0 | 19 46 49,720 | + 5 58 57,74 |
| | Apr. 10 | 49,662 | 58,13 |
| | Jul. 19 | 49,597 | 58,44 |
| | Oct. 27 | 49,527 | 58,69 |
| | Dec. 66 | 49,451 | 58,87 |
| 1828 | Jan. 1 | 19 46 52,427 | + 5 59 7,33 |
| | Apr. 10 | 52,348 | 7,46 |
| | Jul. 19 | 52,265 | 7,51 |
| | Oct. 27 | 52,178 | 7,48 |
| | Dec. 66 | 52,088 | 7,38 |
| 1829 | Jan. 0 | 19 46 55,069 | + 5 59 15,94 |
| | Apr. 10 | 54,977 | 15,79 |
| | Jul. 19 | 54,885 | 15,57 |
| | Oct. 27 | 54,793 | 15,28 |
| | Dec. 66 | 54,700 | 14,91 |

## Tabulae X. Sect. IV. β *Aquilae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,263 | + 4,6 | − 0,20 | −14,8 | +1 | +1 |
| 10 | −1,199 | + 8,3 | − 1,70 | −15,0 | 0 | +1 |
| 20 | −1,098 | +11,7 | − 3,19 | −14,5 | 0 | +1 |
| 30 | −0,965 | +14,8 | − 4,60 | −13,4 | −1 | +1 |
| Febr. 9 | −0,802 | +17,7 | − 5,87 | −11,7 | −1 | +1 |
| 19 | −0,612 | +20,3 | − 6,94 | − 9,4 | −2 | +1 |
| Mart. 1 | −0,397 | +22,6 | − 7,75 | − 6,6 | −2 | +1 |
| 11 | −0,160 | +24,7 | − 8,26 | − 3,4 | −2 | +1 |
| 21 | +0,096 | +26,4 | − 8,42 | + 0,1 | −3 | 0 |
| 31 | +0,367 | +27,7 | − 8,24 | + 3,6 | −3 | 0 |
| Apr. 10 | +0,650 | +28,7 | − 7,70 | + 7,1 | −3 | 0 |
| 20 | +0,941 | +29,3 | − 6,83 | +10,3 | −3 | 0 |
| 30 | +1,235 | +29,3 | − 5,65 | +13,1 | −3 | 0 |
| Maj. 10 | +1,527 | +28,8 | − 4,21 | +15,5 | −2 | 0 |
| 20 | +1,811 | +27,7 | − 2,56 | +17,3 | −2 | 0 |
| 30 | +2,081 | +26,0 | − 0,76 | +18,5 | −2 | +1 |
| Jun. 9 | +2,331 | +23,7 | + 1,14 | +19,2 | −2 | +1 |
| 19 | +2,554 | +20,7 | + 3,08 | +19,3 | −1 | +1 |
| 29 | +2,744 | +17,2 | + 5,00 | +18,9 | −1 | +1 |
| Jul. 9 | +2,898 | +13,3 | + 6,85 | +17,9 | −1 | +1 |
| 19 | +3,010 | + 9,0 | + 8,58 | +16,6 | 0 | +2 |
| 29 | +3,078 | + 4,6 | +10,17 | +15,0 | 0 | +2 |
| Aug. 8 | +3,102 | + 0,2 | +11,58 | +13,2 | +1 | +2 |
| 18 | +3,082 | − 4,0 | +12,80 | +11,2 | +1 | +2 |
| 28 | +3,022 | − 7,9 | +13,81 | + 9,0 | +1 | +3 |
| Sept. 7 | +2,924 | −11,3 | +14,59 | + 6,8 | +2 | +3 |
| 17 | +2,796 | −13,9 | +15,16 | + 4,6 | +2 | +3 |
| 27 | +2,646 | −15,8 | +15,50 | + 2,3 | +2 | +3 |
| Oct. 7 | +2,481 | −16,7 | +15,62 | + 0,1 | +2 | +3 |
| 17 | +2,312 | −16,7 | +15,51 | − 2,1 | +3 | +4 |
| 27 | +2,147 | −15,8 | +15,20 | − 4,2 | +3 | +4 |
| Nov. 6 | +1,996 | −14,1 | +14,67 | − 6,4 | +3 | +4 |
| 16 | +1,866 | −11,7 | +13,93 | − 8,4 | +2 | +4 |
| 26 | +1,763 | − 8,6 | +12,99 | −10,3 | +2 | +4 |
| Dec. 6 | +1,694 | − 5,1 | +11,87 | −12,0 | +2 | +4 |
| 16 | +1,661 | − 1,5 | +10,60 | −13,4 | +1 | +4 |
| 26 | +1,665 | + 2,3 | + 9,20 | −14,4 | +1 | +4 |
| 36 | +1,707 | + 6,0 | + 7,73 | −14,9 | 0 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 19 45 58,7716 | + 5 56 26,142 |
| 1811 | 46 1,7219 | 56 34,595 |
| 1812 | 46 4,6722 | 56 43,052 |
| 1813 | 46 7,6225 | 56 51,513 |
| 1814 | 46 10,5728 | 56 59,977 |
| 1815 | 46 13,5231 | 57 8,445 |
| 1816 | 46 16,4734 | 57 16,917 |
| 1817 | 46 19,4237 | 57 25,392 |
| 1818 | 46 22,3739 | 57 33,871 |
| 1819 | 46 25,3241 | 57 42,354 |
| 1820 | 46 28,2743 | 57 50,840 |
| 1821 | 46 31,2245 | 57 59,330 |
| 1822 | 46 34,1747 | 58 7,824 |
| 1823 | 46 37,1248 | 58 16,321 |
| 1824 | 46 40,0749 | 58 24,822 |
| 1825 | 46 43,0250 | 58 33,327 |
| 1826 | 46 45,9751 | 58 41,835 |
| 1827 | 46 48,9252 | 58 50,347 |
| 1828 | 46 51,8753 | 58 58,863 |
| 1829 | 46 54,8253 | 59 7,383 |
| 1830 | 46 57,7754 | 59 15,906 |

Diei reducto addendum est:

ante } Jan. 14 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. 1*a* *Capricorni.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | h 20 7′ 6″,807 | — 13° 5′ 2″,74 |
| | Apr. 10 | 6,704 | 2,84 |
| | Jul. 19 | 6,600 | 3,02 |
| | Oct. 27 | 6,495 | 3,26 |
| | Dec. 66 | 6,390 | 3,58 |
| 1811 | Jan. 0 | 20 7 9,760 | — 13 4 52,92 |
| | Apr. 10 | 9,655 | 53,29 |
| | Jul. 19 | 9,552 | 53,71 |
| | Oct. 27 | 9,451 | 54,19 |
| | Dec. 66 | 9,353 | 54,73 |
| 1812 | Jan. 1 | 20 7 12,720 | — 13 4 44,00 |
| | Apr. 10 | 12,625 | 44,57 |
| | Jul. 19 | 12,535 | 45,19 |
| | Oct. 27 | 12,451 | 45,85 |
| | Dec. 66 | 12,373 | 46,56 |
| 1813 | Jan. 0 | 20 7 15,732 | — 13 4 35,77 |
| | Apr. 10 | 15,659 | 36,49 |
| | Jul. 19 | 15,593 | 37,23 |
| | Oct. 27 | 15,535 | 37,99 |
| | Dec. 66 | 15,485 | 38,77 |
| 1814 | Jan. 0 | 20 7 18,835 | — 13 4 27,96 |
| | Apr. 10 | 18,791 | 28,74 |
| | Jul. 19 | 18,756 | 29,51 |
| | Oct. 27 | 18,730 | 30,28 |
| | Dec. 66 | 18,714 | 31,05 |
| 1815 | Jan. 0 | 20 7 22,053 | — 13 4 20,23 |
| | Apr. 10 | 22,043 | 20,98 |
| | Jul. 19 | 22,043 | 21,71 |
| | Oct. 27 | 22,052 | 22,40 |
| | Dec. 66 | 22,071 | 23,06 |
| 1816 | Jan. 1 | 20 7 25,398 | — 13 4 12,28 |
| | Apr. 10 | 25,423 | 12,91 |
| | Jul. 19 | 25,456 | 13,50 |
| | Oct. 27 | 25,498 | 14,04 |
| | Dec. 66 | 25,549 | 14,53 |
| 1817 | Jan. 0 | 20 7 28,865 | — 13 4 3,80 |
| | Apr. 10 | 28,921 | 4,25 |
| | Jul. 19 | 28,984 | 4,64 |
| | Oct. 27 | 29,054 | 4,97 |
| | Dec. 66 | 29,130 | 5,24 |
| 1818 | Jan. 0 | 20 7 32,437 | — 13 3 54,58 |
| | Apr. 10 | 32,517 | 54,81 |
| | Jul. 19 | 32,602 | 54,96 |
| | Oct. 27 | 32,691 | 55,05 |
| | Dec. 66 | 32,785 | 55,06 |
| 1819 | Jan. 0 | 20 7 36,087 | — 13 3 44,49 |
| | Apr. 10 | 36,183 | 44,46 |
| | Jul. 19 | 36,280 | 44,36 |
| | Oct. 27 | 36,379 | 44,20 |
| | Dec. 66 | 36,479 | 43,97 |
| 1820 | Jan. 1 | h 20 7′ 39″,779 | — 13° 3′ 33″,48 |
| | Apr. 10 | 39,880 | 33,20 |
| | Jul. 19 | 39,979 | 32,87 |
| | Oct. 27 | 40,078 | 32,47 |
| | Dec. 66 | 40,175 | 32,02 |
| 1821 | Jan. 0 | 20 7 43,476 | — 13 3 21,60 |
| | Apr. 10 | 43,571 | 21,11 |
| | Jul. 19 | 43,663 | 20,57 |
| | Oct. 27 | 43,750 | 19,98 |
| | Dec. 66 | 43,834 | 19,35 |
| 1822 | Jan. 0 | 20 7 47,140 | — 13 3 8,98 |
| | Apr. 10 | 47,220 | 8,33 |
| | Jul. 19 | 47,293 | 7,64 |
| | Oct. 27 | 47,360 | 6,91 |
| | Dec. 66 | 47,421 | 6,15 |
| 1823 | Jan. 0 | 20 7 50,735 | — 13 2 55,81 |
| | Apr. 10 | 50,790 | 55,08 |
| | Jul. 19 | 50,837 | 54,33 |
| | Oct. 27 | 50,876 | 53,57 |
| | Dec. 66 | 50,907 | 52,80 |
| 1824 | Jan. 1 | 20 7 54,231 | — 13 2 42,46 |
| | Apr. 10 | 54,256 | 41,69 |
| | Jul. 19 | 54,271 | 40,94 |
| | Oct. 27 | 54,277 | 40,21 |
| | Dec. 66 | 54,274 | 39,49 |
| 1825 | Jan. 0 | 20 7 57,609 | — 13 2 29,13 |
| | Apr. 10 | 57,600 | 28,43 |
| | Jul. 19 | 57,581 | 27,78 |
| | Oct. 27 | 57,553 | 27,16 |
| | Dec. 66 | 57,515 | 26,58 |
| 1826 | Jan. 0 | 20 8 0,862 | — 13 2 16,17 |
| | Apr. 10 | 0,818 | 15,63 |
| | Jul. 19 | 0,766 | 15,14 |
| | Oct. 27 | 0,706 | 14,72 |
| | Dec. 66 | 0,638 | 14,35 |
| 1827 | Jan. 0 | 20 8 3,994 | — 13 2 3,85 |
| | Apr. 10 | 3,921 | 3,53 |
| | Jul. 19 | 3,842 | 3,28 |
| | Oct. 27 | 3,756 | 3,09 |
| | Dec. 66 | 3,664 | 2,98 |
| 1828 | Jan. 1 | 20 8 7,029 | — 13 1 52,40 |
| | Apr. 10 | 6,934 | 52,34 |
| | Jul. 19 | 6,836 | 52,35 |
| | Oct. 27 | 6,735 | 52,43 |
| | Dec. 66 | 6,631 | 52,59 |
| 1829 | Jan. 0 | 20 8 9,998 | — 13 1 41,91 |
| | Apr. 10 | 9,893 | 42,12 |
| | Jul. 19 | 9,788 | 42,40 |
| | Oct. 27 | 9,684 | 42,74 |
| | Dec. 66 | 9,580 | 43,16 |

## Tabulae X. Sect. IV. 1*a* *Capricorni.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,249 | + 4,0 | − 2,57 | − 3,5 | +1 | −1 |
| 10 | −1,191 | + 7,6 | − 2,91 | − 3,1 | +1 | −1 |
| 20 | −1,097 | +11,0 | − 3,19 | − 2,5 | 0 | −1 |
| 30 | −0,971 | +14,2 | − 3,40 | − 1,7 | 0 | −1 |
| Febr. 9 | −0,814 | +17,2 | − 3,52 | − 0,5 | −1 | −1 |
| 19 | −0,628 | +19,9 | − 3,50 | + 1,0 | −1 | −1 |
| Mart. 1 | −0,417 | +22,2 | − 3,33 | + 2,6 | −2 | −1 |
| 11 | −0,184 | +24,5 | − 2,98 | + 4,4 | −2 | −1 |
| 21 | +0,072 | +26,5 | − 2,45 | + 6,2 | −3 | 0 |
| 31 | +0,345 | +28,1 | − 1,74 | + 8,0 | −3 | 0 |
| Apr. 10 | +0,633 | +29,4 | − 0,86 | + 9,6 | −3 | 0 |
| 20 | +0,933 | +30,4 | + 0,18 | +11,0 | −3 | 0 |
| 30 | +1,241 | +30,9 | + 1,34 | +12,1 | −3 | +1 |
| Maj. 10 | +1,550 | +30,7 | + 2,59 | +12,8 | −3 | +1 |
| 20 | +1,855 | +30,1 | + 3,89 | +13,0 | −3 | +1 |
| 30 | +2,151 | +28,7 | + 5,18 | +12,8 | −3 | +2 |
| Jun. 9 | +2,429 | +26,6 | + 6,44 | +12,2 | −3 | +2 |
| 19 | +2,683 | +23,9 | + 7,61 | +11,2 | −2 | +2 |
| 29 | +2,906 | +20,6 | + 8,68 | +10,0 | −2 | +3 |
| Jul. 9 | +3,094 | +16,7 | + 9,60 | + 8,5 | −1 | +3 |
| 19 | +3,240 | +12,4 | +10,37 | + 6,8 | −1 | +3 |
| 29 | +3,342 | + 7,9 | +10,96 | + 5,1 | −1 | +4 |
| Aug. 8 | +3,398 | + 3,3 | +11,39 | + 3,5 | 0 | +4 |
| 18 | +3,407 | − 1,3 | +11,65 | + 1,9 | 0 | +4 |
| 28 | +3,372 | − 5,6 | +11,76 | + 0,5 | +1 | +4 |
| Sept. 7 | +3,296 | − 9,3 | +11,75 | − 0,6 | +1 | +4 |
| 17 | +3,187 | −12,3 | +11,64 | − 1,7 | +2 | +4 |
| 27 | +3,050 | −14,6 | +11,42 | − 2,5 | +2 | +4 |
| Oct. 7 | +2,895 | −15,9 | +11,14 | − 3,0 | +2 | +4 |
| 17 | +2,732 | −16,3 | +10,83 | − 3,3 | +3 | +4 |
| 27 | +2,570 | −15,7 | +10,48 | − 3,6 | +3 | +4 |
| Nov. 6 | +2,419 | −14,2 | +10,12 | − 3,7 | +3 | +4 |
| 16 | +2,287 | −11,9 | + 9,75 | − 3,8 | +2 | +4 |
| 26 | +2,181 | − 9,0 | + 9,37 | − 3,8 | +2 | +4 |
| Dec. 6 | +2,107 | − 5,7 | + 8,99 | − 3,8 | +2 | +4 |
| 16 | +2,068 | − 2,1 | + 8,61 | − 3,8 | +1 | +4 |
| 26 | +2,066 | + 1,7 | + 8,24 | − 3,7 | +1 | +4 |
| 36 | +2,102 | + 5,4 | + 7,88 | − 3,4 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 20 7 6,4894 | − 13 5 11,199 |
| 1811 | 7 9,8237 | 5 0,657 |
| 1812 | 7 13,1579 | 4 50,111 |
| 1813 | 7 16,4920 | 4 39,560 |
| 1814 | 7 19,8260 | 4 29,005 |
| 1815 | 7 23,1600 | 4 18,446 |
| 1816 | 7 26,4939 | 4 7,883 |
| 1817 | 7 29,8277 | 3 57,316 |
| 1818 | 7 33,1614 | 3 46,745 |
| 1819 | 7 36,4950 | 3 36,170 |
| 1820 | 7 39,8285 | 3 25,591 |
| 1821 | 7 43,1620 | 3 15,008 |
| 1822 | 7 46,4954 | 3 4,420 |
| 1823 | 7 49,8287 | 2 53,828 |
| 1824 | 7 53,1619 | 2 43,232 |
| 1825 | 7 56,4950 | 2 32,632 |
| 1826 | 7 59,8281 | 2 22,028 |
| 1827 | 8 3,1611 | 2 11,420 |
| 1828 | 8 6,4940 | 2 0,808 |
| 1829 | 8 9,8268 | 1 50,192 |
| 1830 | 8 13,1594 | 1 39,571 |

Diei reducto addendum est:

ante } Jan. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. 2a *Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 20 7 30,570 | — 13 7 20,92 | 1820 | Jan. 1 | 20 8 3,589 | — 13 5 51,37 |
| | Apr. 10 | 30,467 | 21,02 | | Apr. 10 | 3,690 | 51,09 |
| | Jul. 19 | 30,364 | 21,20 | | Jul. 19 | 3,789 | 50,76 |
| | Oct. 27 | 30,259 | 21,44 | | Oct. 27 | 3,887 | 50,36 |
| | Dec. 66 | 30,153 | 21,76 | | Dec. 66 | 3,984 | 49,91 |
| 1811 | Jan. 0 | 20 7 33,528 | — 13 7 11,08 | 1821 | Jan. 0 | 20 8 7,290 | — 13 5 39,46 |
| | Apr. 10 | 33,422 | 11,44 | | Apr. 10 | 7,386 | 38,97 |
| | Jul. 19 | 33,319 | 11,86 | | Jul. 19 | 7,477 | 38,43 |
| | Oct. 27 | 33,219 | 12,35 | | Oct. 27 | 7,565 | 37,84 |
| | Dec. 66 | 33,121 | 12,89 | | Dec. 66 | 7,648 | 37,21 |
| 1812 | Jan. 1 | 20 7 36,492 | — 13 7 2,13 | 1822 | Jan. 0 | 20 8 10,959 | — 13 5 26,81 |
| | Apr. 10 | 36,397 | 2,70 | | Apr. 10 | 11,039 | 26,15 |
| | Jul. 19 | 36,307 | 3,32 | | Jul. 19 | 11,112 | 25,47 |
| | Oct. 27 | 36,223 | 3,98 | | Oct. 27 | 11,178 | 24,76 |
| | Dec. 66 | 36,145 | 4,69 | | Dec. 66 | 11,239 | 24,02 |
| 1813 | Jan. 0 | 20 7 39,509 | — 13 6 53,87 | 1823 | Jan. 0 | 20 8 14,558 | — 13 5 13,65 |
| | Apr. 10 | 39,436 | 54,60 | | Apr. 10 | 14,614 | 12,90 |
| | Jul. 19 | 39,370 | 55,34 | | Jul. 19 | 14,661 | 12,14 |
| | Oct. 27 | 39,312 | 56,10 | | Oct. 27 | 14,700 | 11,37 |
| | Dec. 66 | 39,262 | 56,88 | | Dec. 66 | 14,730 | 10,60 |
| 1814 | Jan. 0 | 20 7 42,616 | — 13 6 46,03 | 1824 | Jan. 1 | 20 8 18,059 | — 13 5 0,24 |
| | Apr. 10 | 42,572 | 46,81 | | Apr. 10 | 18,084 | 4 59,47 |
| | Jul. 19 | 42,538 | 47,59 | | Jul. 19 | 18,099 | 58,72 |
| | Oct. 27 | 42,512 | 48,36 | | Oct. 27 | 18,105 | 57,99 |
| | Dec. 66 | 42,496 | 49,12 | | Dec. 66 | 18,102 | 57,27 |
| 1815 | Jan. 0 | 20 7 45,839 | — 13 6 38,28 | 1825 | Jan. 0 | 20 8 21,442 | — 13 4 46,88 |
| | Apr. 10 | 45,829 | 39,03 | | Apr. 10 | 21,432 | 46,18 |
| | Jul. 19 | 45,829 | 39,75 | | Jul. 19 | 21,413 | 45,53 |
| | Oct. 27 | 45,838 | 40,44 | | Oct. 27 | 21,385 | 44,91 |
| | Dec. 66 | 45,857 | 41,11 | | Dec. 66 | 21,347 | 44,34 |
| 1816 | Jan. 1 | 20 7 49,188 | — 13 6 30,30 | 1826 | Jan. 0 | 20 8 24,698 | — 13 4 33,89 |
| | Apr. 10 | 49,213 | 30,93 | | Apr. 10 | 24,655 | 33,35 |
| | Jul. 19 | 49,247 | 31,52 | | Jul. 19 | 24,603 | 32,87 |
| | Oct. 27 | 49,289 | 32,05 | | Oct. 27 | 24,542 | 32,44 |
| | Dec. 66 | 49,340 | 32,54 | | Dec. 66 | 24,474 | 32,08 |
| 1817 | Jan. 0 | 20 7 52,660 | — 13 6 21,79 | 1827 | Jan. 0 | 20 8 27,835 | — 13 4 21,56 |
| | Apr. 10 | 52,716 | 22,24 | | Apr. 10 | 27,762 | 21,23 |
| | Jul. 19 | 52,779 | 22,63 | | Jul. 19 | 27,682 | 20,98 |
| | Oct. 27 | 52,849 | 22,96 | | Oct. 27 | 27,597 | 20,80 |
| | Dec. 66 | 52,925 | 23,22 | | Dec. 66 | 27,505 | 20,69 |
| 1818 | Jan. 0 | 20 7 56,237 | — 13 6 12,54 | 1828 | Jan. 1 | 20 8 30,874 | — 13 4 10,08 |
| | Apr. 10 | 56,317 | 12,76 | | Apr. 10 | 30,779 | 10,02 |
| | Jul. 19 | 56,402 | 12,91 | | Jul. 19 | 30,681 | 10,03 |
| | Oct. 27 | 56,491 | 12,99 | | Oct. 27 | 30,580 | 10,13 |
| | Dec. 66 | 56,585 | 13,01 | | Dec. 66 | 30,476 | 10,28 |
| 1819 | Jan. 0 | 20 7 59,892 | — 13 6 2,41 | 1829 | Jan. 0 | 20 8 33,848 | — 13 3 59,57 |
| | Apr. 10 | 59,988 | 2,38 | | Apr. 10 | 33,743 | 59,78 |
| | Jul. 19 | 8 0,085 | 2,29 | | Jul. 19 | 33,638 | 4 0,06 |
| | Oct. 27 | 0,184 | 2,12 | | Oct. 27 | 33,534 | 0,40 |
| | Dec. 66 | 0,285 | 1,89 | | Dec. 66 | 33,430 | 0,81 |

## Tabulae X. Sect. IV. 2*a* *Capricorni.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,249 | + 4,0 | — 2,58 | — 3,5 | +1 | —1 |
| 10 | —1,190 | + 7,6 | — 2,92 | — 3,1 | +1 | —1 |
| 20 | —1,097 | +11,0 | — 3,20 | — 2,5 | 0 | —1 |
| 30 | —0,971 | +14,2 | — 3,41 | — 1,6 | 0 | —1 |
| Febr. 9 | —0,814 | +17,1 | — 3,51 | — 0,4 | —1 | —1 |
| 19 | —0,629 | +19,8 | — 3,49 | + 1,0 | —1 | —1 |
| Mart. 1 | —0,419 | +22,3 | — 3,32 | + 2,6 | —2 | —1 |
| 11 | —0,184 | +24,5 | — 2,97 | + 4,4 | —2 | —1 |
| 21 | +0,071 | +26,4 | — 2,44 | + 6,3 | —3 | 0 |
| 31 | +0,344 | +28,1 | — 1,72 | + 8,0 | —3 | 0 |
| Apr. 10 | +0,632 | +29,5 | — 0,84 | + 9,6 | —3 | 0 |
| 20 | +0,933 | +30,4 | + 0,20 | +11,1 | —3 | 0 |
| 30 | +1,240 | +30,9 | + 1,37 | +12,1 | —3 | 0 |
| Maj. 10 | +1,550 | +30,8 | + 2,62 | +12,7 | —3 | +1 |
| 20 | +1,855 | +30,1 | + 3,91 | +13,0 | —3 | +1 |
| 30 | +2,151 | +28,7 | + 5,21 | +12,8 | —3 | +2 |
| Jun. 9 | +2,429 | +26,7 | + 6,47 | +12,2 | —3 | +2 |
| 19 | +2,684 | +24,0 | + 7,64 | +11,2 | —2 | +2 |
| 29 | +2,908 | +20,6 | + 8,70 | +10,0 | —2 | +3 |
| Jul. 9 | +3,096 | +16,8 | + 9,63 | + 8,5 | —2 | +3 |
| 19 | +3,243 | +12,5 | +10,39 | + 6,8 | —1 | +3 |
| 29 | +3,345 | + 7,9 | +10,99 | + 5,1 | —1 | +4 |
| Aug. 8 | +3,401 | + 3,4 | +11,41 | + 3,4 | 0 | +4 |
| 18 | +3,411 | — 1,2 | +11,67 | + 1,9 | 0 | +4 |
| 28 | +3,376 | — 5,5 | +11,78 | + 0,5 | +1 | +4 |
| Sept. 7 | +3,301 | — 9,2 | +11,76 | — 0,7 | +1 | +4 |
| 17 | +3,192 | —12,3 | +11,64 | — 1,7 | +2 | +4 |
| 27 | +3,055 | —14,6 | +11,43 | — 2,5 | +2 | +4 |
| Oct. 7 | +2,901 | —15,9 | +11,15 | — 3,0 | +2 | +4 |
| 17 | +2,738 | —16,3 | +10,84 | — 3,3 | +2 | +4 |
| 27 | +2,576 | —15,7 | +10,49 | — 3,6 | +3 | +4 |
| Nov. 6 | +2,425 | —14,2 | +10,13 | — 3,7 | +3 | +4 |
| 16 | +2,293 | —11,9 | + 9,76 | — 3,8 | +2 | +4 |
| 26 | +2,187 | — 9,0 | + 9,38 | — 3,8 | +2 | +4 |
| Dec. 6 | +2,113 | — 5,7 | + 9,00 | — 3,8 | +2 | +4 |
| 16 | +2,074 | — 2,1 | + 8,62 | — 3,8 | +1 | +4 |
| 26 | +2,072 | + 1,7 | + 8,25 | — 3,6 | +1 | +3 |
| 36 | +2,107 | + 5,4 | + 7,90 | — 3,4 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 20 7 30,2532 | — 13 7 29,375 |
| 1811 | 7 33,5920 | 7 18,805 |
| 1812 | 7 36,9307 | 7 8,231 |
| 1813 | 7 40,2694 | 6 57,653 |
| 1814 | 7 43,6080 | 6 47,071 |
| 1815 | 7 46,9465 | 6 36,484 |
| 1816 | 7 50,2849 | 6 25,893 |
| 1817 | 7 53,6232 | 6 15,298 |
| 1818 | 7 56,9615 | 6 4,699 |
| 1819 | 8 0,2997 | 5 54,096 |
| 1820 | 8 3,6378 | 5 43,490 |
| 1821 | 8 6,9758 | 5 32,879 |
| 1822 | 8 10,3137 | 5 22,264 |
| 1823 | 8 13,6515 | 5 11,645 |
| 1824 | 8 16,4893 | 5 1,021 |
| 1825 | 8 20,3270 | 4 50,393 |
| 1826 | 8 23,6646 | 4 39,761 |
| 1827 | 8 27,0021 | 4 29,125 |
| 1828 | 8 30,3395 | 4 18,485 |
| 1829 | 8 33,6769 | 4 7,841 |
| 1830 | 8 37,0142 | 3 57,194 |

Diei reducto addendum est:

ante } Jan. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens

## Tabulae X. Sect. IV. *α Cygni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 20 34 58,060 | +44 36 31,05 | 1820 | Jan. 1 | 20 35 17,443 | +44 38 21,13 |
| | Apr. 10 | 58,009 | 30,87 | | Apr. 10 | 17,503 | 21,47 |
| | Jul. 19 | 57,954 | 30,62 | | Jul. 19 | 17,565 | 21,86 |
| | Oct. 27 | 57,894 | 30,31 | | Oct. 27 | 17,629 | 22,31 |
| | Dec. 66 | 57,830 | 29,93 | | Dec. 66 | 17,696 | 22,81 |
| 1811 | Jan. 0 | 20 34 59,893 | +44 36 42,61 | 1821 | Jan. 0 | 20 35 19,715 | +44 38 35,20 |
| | Apr. 10 | 59,827 | 42,19 | | Apr. 10 | 19,783 | 35,73 |
| | Jul. 19 | 59,758 | 41,71 | | Jul. 19 | 19,852 | 36,30 |
| | Oct. 27 | 59,688 | 41,18 | | Oct. 27 | 19,922 | 36,91 |
| | Dec. 66 | 59,616 | 40,60 | | Dec. 66 | 19,993 | 37,56 |
| 1812 | Jan. 1 | 20 35 1,681 | +44 36 53,34 | 1822 | Jan. 0 | 20 35 22,010 | +44 38 49,91 |
| | Apr. 10 | 1,608 | 52,74 | | Apr. 10 | 22,080 | 50,58 |
| | Jul. 19 | 1,535 | 52,08 | | Jul. 19 | 22,149 | 51,28 |
| | Oct. 27 | 1,463 | 51,40 | | Oct. 27 | 22,217 | 51.99 |
| | Dec. 66 | 1,391 | 50,68 | | Dec. 66 | 22,283 | 52,73 |
| 1813 | Jan. 0 | 20 35 3,456 | +44 37 3,47 | 1823 | Jan. 0 | 20 35 24,302 | +44 39 5,05 |
| | Apr. 10 | 3,385 | 2,74 | | Apr. 10 | 24,367 | 5,79 |
| | Jul. 19 | 3,316 | 2,00 | | Jul. 19 | 24,428 | 6,53 |
| | Oct. 27 | 3,250 | 1,25 | | Oct. 27 | 24,486 | 7,27 |
| | Dec. 66 | 3,187 | 0,49 | | Dec. 66 | 24,540 | 8,01 |
| 1814 | Jan. 0 | 20 35 5,249 | +44 37 13,29 | 1824 | Jan. 1 | 20 35 26,564 | +44 39 20,33 |
| | Apr. 10 | 5,188 | 12,53 | | Apr. 10 | 26,616 | 21,06 |
| | Jul. 19 | 5,132 | 11,78 | | Jul. 19 | 26,662 | 21,77 |
| | Oct. 27 | 5,080 | 11,05 | | Oct. 27 | 26,704 | 22,46 |
| | Dec. 66 | 5,032 | 10,33 | | Dec. 66 | 26,740 | 23,12 |
| 1815 | Jan. 0 | 20 35 7,089 | +44 37 23,12 | 1825 | Jan. 0 | 20 35 28,770 | +44 39 35,47 |
| | Apr. 10 | 7,045 | 22,42 | | Apr. 10 | 28,803 | 36,11 |
| | Jul. 19 | 7,007 | 21,75 | | Jul. 19 | 28,829 | 36,70 |
| | Oct. 27 | 6,974 | 21,11 | | Oct. 27 | 28,849 | 37,25 |
| | Dec. 66 | 6,948 | 20,51 | | Dec. 66 | 28,863 | 37,75 |
| 1816 | Jan. 1 | 20 35 8,997 | +44 37 33,26 | 1826 | Jan. 0 | 20 35 30,900 | +44 39 50,16 |
| | Apr. 10 | 8,975 | 32,69 | | Apr. 10 | 30,909 | 50,63 |
| | Jul. 19 | 8,959 | 32,18 | | Jul. 19 | 30,912 | 51,04 |
| | Oct. 27 | 8,949 | 31,72 | | Oct. 27 | 30,908 | 51,38 |
| | Dec. 66 | 8,946 | 31,31 | | Dec. 66 | 30,897 | 51,67 |
| 1817 | Jan. 0 | 20 35 10,987 | +44 37 43,99 | 1827 | Jan. 0 | 20 35 32,942 | +44 40 4,15 |
| | Apr. 10 | 10,988 | 43,62 | | Apr. 10 | 32,927 | 4,39 |
| | Jul. 19 | 10,996 | 43,31 | | Jul. 19 | 32,905 | 4,56 |
| | Oct. 27 | 11,010 | 43,06 | | Oct. 27 | 32,877 | 4,66 |
| | Dec. 66 | 11,030 | 42,88 | | Dec. 66 | 32,842 | 4,69 |
| 1818 | Jan. 0 | 20 35 13,064 | +44 37 55,50 | 1828 | Jan. 1 | 20 35 34,895 | +44 40 17,27 |
| | Apr. 10 | 13,088 | 55,36 | | Apr. 10 | 34,856 | 17,25 |
| | Jul. 19 | 13,117 | 55,29 | | Jul. 19 | 34,812 | 17,16 |
| | Oct. 27 | 13,152 | 55,28 | | Oct. 27 | 34,763 | 17,00 |
| | Dec. 66 | 13,193 | 55,34 | | Dec. 66 | 34,708 | 16,76 |
| 1819 | Jan. 0 | 20 35 15,220 | +44 38 7,87 | 1829 | Jan. 0 | 20 35 36,768 | +44 40 29,43 |
| | Apr. 10 | 15,265 | 7,98 | | Apr. 10 | 36,710 | 29,15 |
| | Jul. 19 | 15,313 | 8,15 | | Jul. 19 | 36,649 | 28,81 |
| | Oct. 27 | 15,365 | 8,38 | | Oct. 27 | 36,585 | 28,41 |
| | Dec. 66 | 15,421 | 8,68 | | Dec. 66 | 36,517 | 27,94 |

## Tabulae X. Sect. IV. *α Cygni.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,605 | − 7,4 | + 6,54 | −26,5 | 0 | +2 |
| 10 | −1,655 | − 2,6 | + 3,77 | −28,5 | 0 | +3 |
| 20 | −1,656 | + 2,4 | + 0,84 | −29,5 | −1 | +3 |
| 30 | −1,608 | + 7,3 | − 2,13 | −29,4 | −1 | +3 |
| Febr. 9 | −1,510 | +12,3 | − 5,03 | −28,1 | −2 | +3 |
| 19 | −1,362 | +17,1 | − 7,74 | −25,7 | −2 | +2 |
| Mart. 1 | −1,168 | +21,6 | −10,16 | −22,2 | −2 | +2 |
| 11 | −0,931 | +25,7 | −12,18 | −17,8 | −3 | +2 |
| 21 | −0,654 | +29,4 | −13,71 | −12,7 | −3 | +1 |
| 31 | −0,344 | +32,4 | −14,72 | − 7,3 | −3 | +1 |
| Apr. 10 | −0,007 | +34,7 | −15,14 | − 1,3 | −3 | +1 |
| 20 | +0,349 | +36,2 | −14,98 | + 4,6 | −3 | 0 |
| 30 | +0,716 | +36,9 | −14,23 | +10,3 | −2 | 0 |
| Maj. 10 | +1,086 | +36,6 | −12,93 | +15,6 | −2 | 0 |
| 20 | +1,448 | +35,4 | −11,12 | +20,3 | −2 | −1 |
| 30 | +1,793 | +33,3 | − 8,87 | +24,4 | −1 | −1 |
| Jun. 9 | +2,113 | +30,3 | − 6,25 | +27,7 | −1 | −1 |
| 19 | +2,398 | +26,5 | − 3,33 | +30,3 | −1 | −1 |
| 29 | +2,642 | +22,0 | − 0,19 | +32,1 | 0 | −1 |
| Jul. 9 | +2,838 | +17,0 | + 3,08 | +33,0 | 0 | −1 |
| 19 | +2,981 | +11,5 | + 6,40 | +33,1 | +1 | −1 |
| 29 | +3,067 | + 5,8 | + 9,69 | +32,4 | +1 | −1 |
| Aug. 8 | +3,097 | + 0,2 | +12,88 | +31,1 | +1 | −1 |
| 18 | +3,070 | − 5,5 | +15,91 | +29,2 | +2 | 0 |
| 28 | +2,988 | −10,7 | +18,71 | +26,6 | +2 | 0 |
| Sept. 7 | +2,857 | −15,3 | +21,22 | +23,5 | +2 | 0 |
| 17 | +2,683 | −19,3 | +23,40 | +20,0 | +3 | +1 |
| 27 | +2,472 | −22,5 | +25,21 | +16,0 | +3 | +1 |
| Oct. 7 | +2,234 | −24,7 | +26,60 | +11,6 | +3 | +1 |
| 17 | +1,979 | −25,9 | +27,53 | + 7,0 | +3 | +2 |
| 27 | +1,716 | −26,2 | +28,00 | + 2,3 | +3 | +2 |
| Nov. 6 | +1,456 | −25,5 | +27,98 | − 2,7 | +3 | +3 |
| 16 | +1,207 | −23,9 | +27,46 | − 7,7 | +3 | +3 |
| 26 | +0,979 | −21,4 | +26,44 | −12,6 | +2 | +4 |
| Dec. 6 | +0,780 | −18,2 | +24,95 | −17,1 | +2 | +4 |
| 16 | +0,615 | −14,5 | +23,02 | −21,2 | +2 | +4 |
| 26 | +0,491 | −10,2 | +20,71 | −24,7 | +1 | +5 |
| 36 | +0,412 | − 5,6 | +18,09 | −27,4 | +1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 20 34 57,4728 | +44 36 22,958 |
| 1811 | 34 59,5136 | 36 35,499 |
| 1812 | 35 1,5545 | 36 48,042 |
| 1813 | 35 3,5954 | 37 0,588 |
| 1814 | 35 5,6363 | 37 13,136 |
| 1815 | 35 7,6773 | 37 25,686 |
| 1816 | 35 9,7183 | 37 38,238 |
| 1817 | 35 11,7593 | 37 50,793 |
| 1818 | 35 13,8003 | 38 3,350 |
| 1819 | 35 15,8413 | 38 15,909 |
| 1820 | 35 17,8823 | 38 28,470 |
| 1821 | 35 19,9234 | 38 41,034 |
| 1822 | 35 21,9645 | 38 53,600 |
| 1823 | 35 24,0056 | 39 6,168 |
| 1824 | 35 26,0468 | 39 18,738 |
| 1825 | 35 28,0880 | 39 31,311 |
| 1826 | 35 30,1292 | 39 43,886 |
| 1827 | 35 32,1704 | 39 56,463 |
| 1828 | 35 34,2117 | 40 9,043 |
| 1829 | 35 36,2530 | 40 21,625 |
| 1830 | 35 38,2943 | 40 34,209 |

Diei reducto addendum est:

ante / post } Jan. 25 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Aquarii.*

| | | | |
|---|---|---|---|
| 1810 | Jan. 0 | 21h 56′ 1″,667 | — 1° 14′ 10″,95 |
| | Apr. 10 | 1,574 | 11,34 |
| | Jul. 19 | 1,479 | 11,77 |
| | Oct. 27 | 1,383 | 12,26 |
| | Dec. 66 | 1,285 | 12,79 |
| 1811 | Jan. 0 | 21 56 4,402 | — 1 13 55,43 |
| | Apr. 10 | 4,305 | 55,99 |
| | Jul. 19 | 4,209 | 56,58 |
| | Oct. 27 | 4,115 | 57,20 |
| | Dec. 66 | 4,023 | 57,85 |
| 1812 | Jan. 1 | 21 56 7,137 | — 1 13 40,46 |
| | Apr. 10 | 7,047 | 41,13 |
| | Jul. 19 | 6,962 | 41,80 |
| | Oct. 27 | 6,882 | 42,48 |
| | Dec. 66 | 6,806 | 43,17 |
| 1813 | Jan. 0 | 21 56 9,915 | — 1 13 25,76 |
| | Apr. 10 | 9,843 | 26,45 |
| | Jul. 19 | 9,778 | 27,13 |
| | Oct. 27 | 9,720 | 27,80 |
| | Dec. 66 | 9,670 | 28,45 |
| 1814 | Jan. 0 | 21 56 12,770 | — 1 13 11,05 |
| | Apr. 10 | 12,725 | 11,69 |
| | Jul. 19 | 12,688 | 12,29 |
| | Oct. 27 | 12,659 | 12,86 |
| | Dec. 66 | 12,639 | 13,39 |
| 1815 | Jan. 0 | 21 56 15,729 | — 1 12 56,04 |
| | Apr. 10 | 15,715 | 56,54 |
| | Jul. 19 | 15,710 | 57,00 |
| | Oct. 27 | 15,713 | 57,41 |
| | Dec. 66 | 15,725 | 57,77 |
| 1816 | Jan. 1 | 21 56 18,804 | — 1 12 40,47 |
| | Apr. 10 | 18,822 | 40,80 |
| | Jul. 19 | 18,848 | 41,07 |
| | Oct. 27 | 18,882 | 41,28 |
| | Dec. 66 | 18,925 | 41,43 |
| 1817 | Jan. 0 | 21 56 21,994 | — 1 12 24,19 |
| | Apr. 10 | 22,041 | 24,30 |
| | Jul. 19 | 22,095 | 24,36 |
| | Oct. 27 | 22,155 | 24,34 |
| | Dec. 66 | 22,222 | 24,27 |
| 1818 | Jan. 0 | 21 56 25,283 | — 1 12 7,11 |
| | Apr. 10 | 25,354 | 7,00 |
| | Jul. 19 | 25,430 | 6,83 |
| | Oct. 27 | 25,510 | 6,61 |
| | Dec. 66 | 25,594 | 6,33 |
| 1819 | Jan. 0 | 21 56 28,649 | — 1 11 49,24 |
| | Apr. 10 | 28,736 | 48,92 |
| | Jul. 19 | 28,824 | 48,55 |
| | Oct. 27 | 28,915 | 48,13 |
| | Dec. 66 | 29,007 | 47,67 |
| 1820 | Jan. 1 | 21h 56′ 32″,060 | — 1° 11′ 30″,64 |
| | Apr. 10 | 32,153 | 30,15 |
| | Jul. 19 | 32,245 | 29,62 |
| | Oct. 27 | 32,336 | 29,06 |
| | Dec. 66 | 32,427 | 28,47 |
| 1821 | Jan. 0 | 21 56 35,481 | — 1 11 11,48 |
| | Apr. 10 | 35,571 | 10,87 |
| | Jul. 19 | 35,657 | 10,24 |
| | Oct. 27 | 35,740 | 9,59 |
| | Dec. 66 | 35,820 | 8,93 |
| 1822 | Jan. 0 | 21 56 38,878 | — 1 10 51,96 |
| | Apr. 10 | 38,955 | 51,29 |
| | Jul. 19 | 39,026 | 50,63 |
| | Oct. 27 | 39,092 | 49,96 |
| | Dec. 66 | 39,152 | 49,30 |
| 1823 | Jan. 0 | 21 56 42,216 | — 1 10 32,32 |
| | Apr. 10 | 42,272 | 31,67 |
| | Jul. 19 | 42,320 | 31,04 |
| | Oct. 27 | 42,361 | 30,43 |
| | Dec. 66 | 42,394 | 29,85 |
| 1824 | Jan. 1 | 21 56 45,468 | — 1 10 12,83 |
| | Apr. 10 | 45,496 | 12,27 |
| | Jul. 19 | 45,515 | 11,75 |
| | Oct. 27 | 45,526 | 11,26 |
| | Dec. 66 | 45,528 | 10,82 |
| 1825 | Jan. 0 | 21 56 48,612 | — 1 9 53,75 |
| | Apr. 10 | 48,608 | 53,34 |
| | Jul. 19 | 48,596 | 52,99 |
| | Oct. 27 | 48,575 | 52,69 |
| | Dec. 66 | 48,546 | 52,44 |
| 1826 | Jan. 0 | 21 56 51,640 | — 1 9 35,31 |
| | Apr. 10 | 51,605 | 35,10 |
| | Jul. 19 | 51,562 | 34,96 |
| | Oct. 27 | 51,510 | 34,87 |
| | Dec. 66 | 51,451 | 34,86 |
| 1827 | Jan. 0 | 21 56 54,555 | — 1 9 17,64 |
| | Apr. 10 | 54,492 | 17,67 |
| | Jul. 19 | 54,422 | 17,76 |
| | Oct. 27 | 54,346 | 17,91 |
| | Dec. 66 | 54,264 | 18,13 |
| 1828 | Jan. 1 | 21 56 57,376 | — 1 9 0,84 |
| | Apr. 10 | 57,291 | 1,10 |
| | Jul. 19 | 57,202 | 1,41 |
| | Oct. 27 | 57,110 | 1,78 |
| | Dec. 66 | 57,015 | 2,21 |
| 1829 | Jan. 0 | 21 57 0,131 | — 1 8 44,85 |
| | Apr. 10 | 0,034 | 45,31 |
| | Jul. 19 | 56 59,938 | 45,81 |
| | Oct. 27 | 59,841 | 46,36 |
| | Dec. 66 | 59,745 | 46,95 |

## Tabulae X. Sect. IV. *α Aquarii.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,840 | − 5,2 | − 1,30 | − 7,8 | +2 | +1 | 1810 | 21 56 1,3200 | − 1 14 17,322 |
| 10 | −0,881 | − 2,8 | − 2,07 | − 7,6 | +2 | +1 | 1811 | 56 4,4044 | 14 0,148 |
| 20 | −0,895 | − 0,1 | − 2,81 | − 7,1 | +2 | +1 | 1812 | 56 7,4887 | 13 42,972 |
| 30 | −0,883 | + 2,6 | − 3,48 | − 6,2 | +1 | +1 | 1813 | 56 10,5730 | 13 25,794 |
| Febr. 9 | −0,843 | + 5,5 | − 4,04 | − 4,9 | 0 | +1 | 1814 | 56 13,6572 | 13 8,613 |
| | | | | | | | 1815 | 56 16,7414 | 12 51,430 |
| 19 | −0,774 | + 8,5 | − 4,45 | − 3,2 | 0 | 0 | 1816 | 56 19,8256 | 12 34,245 |
| Mart. 1 | −0,674 | +11,5 | − 4,67 | − 1,1 | −1 | 0 | 1817 | 56 22,9097 | 12 17,057 |
| 11 | −0,544 | +14,6 | − 4,66 | + 1,3 | −1 | 0 | 1818 | 56 25,9938 | 11 59,867 |
| 21 | −0,382 | +17,8 | − 4,41 | + 3,9 | −2 | 0 | 1819 | 56 29,0778 | 11 42,675 |
| 31 | −0,189 | +21,1 | − 3,88 | + 6,7 | −2 | 0 | 1820 | 56 32,1618 | 11 25,480 |
| | | | | | | | 1821 | 56 35,2457 | 11 8,283 |
| Apr. 10 | +0,034 | +23,6 | − 3,07 | + 9,4 | −2 | −1 | 1822 | 56 38,3296 | 10 51,084 |
| 20 | +0,283 | +26,2 | − 2,00 | +12,0 | −3 | −1 | 1823 | 56 41,4135 | 10 33,883 |
| 30 | +0,557 | +28,3 | − 0,68 | +14,3 | −3 | −1 | 1824 | 56 44,4972 | 10 16,680 |
| Maj. 10 | +0,849 | +29,9 | + 0,86 | +16,3 | −3 | −1 | 1825 | 56 47,5810 | 9 59,474 |
| 20 | +1,154 | +30,8 | + 2,58 | +17,8 | −3 | −1 | 1826 | 56 50,6647 | 9 42,266 |
| | | | | | | | 1827 | 56 53,7484 | 9 25,056 |
| 30 | +1,465 | +31,0 | + 4,42 | +18,8 | −3 | −1 | 1828 | 56 56,8320 | 9 7,843 |
| Jun. 9 | +1,774 | +30,5 | + 6,34 | +19,3 | −3 | −1 | 1829 | 56 59,9157 | 8 50,628 |
| 19 | +2,074 | +29,1 | + 8,28 | +19,3 | −3 | 0 | 1830 | 57 2,9993 | 8 33,410 |
| 29 | +2,356 | +27,0 | +10,20 | +18,8 | −2 | 0 | | | |
| Jul. 9 | +2,614 | +24,3 | +12,03 | +17,7 | −2 | 0 | | | |
| 19 | +2,841 | +20,8 | +13,73 | +16,3 | −2 | 0 | | | |
| 29 | +3,030 | +16,9 | +15,28 | +14,5 | −1 | +1 | | | |
| Aug. 8 | +3,179 | +12,7 | +16,63 | +12,5 | −1 | +1 | | | |
| 18 | +3,284 | + 8,3 | +17,77 | +10,3 | −1 | +1 | | | |
| 28 | +3,344 | + 3,9 | +18,69 | + 8,1 | 0 | +2 | | | |
| Sept. 7 | +3,362 | − 0,2 | +19,39 | + 6,0 | 0 | +2 | | | |
| 17 | +3,340 | − 2,0 | +19,88 | + 3,8 | +1 | +2 | | | |
| 27 | +3,283 | − 7,2 | +20,15 | + 1,8 | +1 | +3 | | | |
| Oct. 7 | +3,196 | − 9,9 | +20,24 | + 0,1 | +2 | +3 | | | |
| 17 | +3,086 | −11,8 | +20,16 | − 1,6 | +2 | +3 | | | |
| 27 | +2,961 | −12,9 | +19,93 | − 3,0 | +2 | +3 | | | |
| Nov. 6 | +2,829 | −13,2 | +19,57 | − 4,2 | +3 | +3 | | | |
| 16 | +2,697 | −12,9 | +19,09 | − 5,3 | +3 | +4 | | | |
| 26 | +2,571 | −12,0 | +18,51 | − 6,2 | +3 | +4 | | | |
| Dec. 6 | +2,457 | −10,6 | +17,86 | − 6,9 | +3 | +4 | | | |
| 16 | +2,359 | − 8,8 | +17,14 | − 7,4 | +2 | +4 | | | |
| 26 | +2,281 | − 6,7 | +16,38 | − 7,7 | +2 | +4 | | | |
| 36 | +2,225 | − 4,3 | +15,61 | − 7,7 | +2 | +3 | | | |

Diei reducto addendum est:

ante / post } Febr. 15 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *a Piscis austrini.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 22 47 7,750 | —30 37 32,11 | 1820 | Jan. 1 | 22 47 41,318 | —30 34 32,12 |
| | Apr. 10 | 7,640 | 32,60 | | Apr. 10 | 41,420 | 31,56 |
| | Jul. 19 | 7,532 | 33,13 | | Jul. 19 | 41,519 | 30,98 |
| | Oct. 27 | 7,425 | 33,69 | | Oct. 27 | 41,614 | 30,39 |
| | Dec. 66 | 7,319 | 34,29 | | Dec. 66 | 41,705 | 29,77 |
| 1811 | Jan. 0 | 22 47 10,698 | —30 37 15,26 | 1821 | Jan. 0 | 22 47 45,016 | —30 34 11,14 |
| | Apr. 10 | 10,594 | 15,87 | | Apr. 10 | 45,105 | 10,52 |
| | Jul. 19 | 10,495 | 16,50 | | Jul. 19 | 45,187 | 9,90 |
| | Oct. 27 | 10,401 | 17,14 | | Oct. 27 | 45,264 | 9,28 |
| | Dec. 66 | 10,311 | 17,79 | | Dec. 66 | 45,335 | 8,65 |
| 1812 | Jan. 1 | 22 47 13,684 | —30 36 58,75 | 1822 | Jan. 0 | 22 47 48,653 | —30 33 50,02 |
| | Apr. 10 | 13,598 | 59,40 | | Apr. 10 | 48,719 | 49,40 |
| | Jul. 19 | 13,520 | 37 0,05 | | Jul. 19 | 48,777 | 48,80 |
| | Oct. 27 | 13,450 | 0,69 | | Oct. 27 | 48,827 | 48,21 |
| | Dec. 66 | 13,387 | 1,33 | | Dec. 66 | 48,869 | 47,64 |
| 1813 | Jan. 0 | 22 47 16,750 | —30 36 42,29 | 1823 | Jan. 0 | 22 47 52,196 | —30 33 28,99 |
| | Apr. 10 | 16,693 | 42,91 | | Apr. 10 | 52,231 | 28,44 |
| | Jul. 19 | 16,646 | 43,51 | | Jul. 19 | 52,259 | 27,92 |
| | Oct. 27 | 16,607 | 44,07 | | Oct. 27 | 52,276 | 27,44 |
| | Dec. 66 | 16,578 | 44,61 | | Dec. 66 | 52,284 | 26,99 |
| 1814 | Jan. 0 | 22 47 19,929 | —30 36 25,61 | 1824 | Jan. 1 | 22 47 55,623 | —30 33 8,29 |
| | Apr. 10 | 19,908 | 26,12 | | Apr. 10 | 55,625 | 7,87 |
| | Jul. 19 | 19,896 | 26,59 | | Jul. 19 | 55,617 | 7,50 |
| | Oct. 27 | 19,894 | 27,02 | | Oct. 27 | 55,599 | 7,17 |
| | Dec. 66 | 19,901 | 27,40 | | Dec. 66 | 55,571 | 6,89 |
| 1815 | Jan. 0 | 22 47 23,240 | —30 36 8,45 | 1825 | Jan. 0 | 22 47 58,922 | —30 32 48,14 |
| | Apr. 10 | 23,255 | 8,80 | | Apr. 10 | 58,888 | 47,90 |
| | Jul. 19 | 23,279 | 9,10 | | Jul. 19 | 58,845 | 47,71 |
| | Oct. 27 | 23,312 | 9,34 | | Oct. 27 | 58,793 | 47,59 |
| | Dec. 66 | 23,355 | 9,53 | | Dec. 66 | 58,732 | 47,52 |
| 1816 | Jan. 1 | 22 47 26,682 | —30 35 50,64 | 1826 | Jan. 0 | 22 48 2,094 | —30 32 28,69 |
| | Apr. 10 | 26,730 | 50,79 | | Apr. 10 | 2,028 | 28,66 |
| | Jul. 19 | 26,787 | 50,88 | | Jul. 19 | 1,954 | 28,69 |
| | Oct. 27 | 26,852 | 50,92 | | Oct. 27 | 1,874 | 28,79 |
| | Dec. 66 | 26,924 | 50,89 | | Dec. 66 | 1,786 | 28,94 |
| 1817 | Jan. 0 | 22 47 30,241 | —30 35 32,08 | 1827 | Jan. 0 | 22 48 5,156 | —30 32 10,04 |
| | Apr. 10 | 30,318 | 32,01 | | Apr. 10 | 5,064 | 10,23 |
| | Jul. 19 | 30,400 | 31,89 | | Jul. 19 | 4,968 | 10,48 |
| | Oct. 27 | 30,488 | 31,72 | | Oct. 27 | 4,868 | 10,78 |
| | Dec. 66 | 30,581 | 31,49 | | Dec. 66 | 4,763 | 11,14 |
| 1818 | Jan. 0 | 22 47 33,891 | —30 35 12,74 | 1828 | Jan. 1 | 22 48 8,138 | —30 31 52,17 |
| | Apr. 10 | 33,987 | 12,48 | | Apr. 10 | 8,031 | 52,56 |
| | Jul. 19 | 34,085 | 12,17 | | Jul. 19 | 7,924 | 53,00 |
| | Oct. 27 | 34,186 | 11,81 | | Oct. 27 | 7,815 | 53,48 |
| | Dec. 66 | 34,290 | 11,40 | | Dec. 66 | 7,706 | 54,00 |
| 1819 | Jan. 0 | 22 47 37,597 | —30 34 52,71 | 1829 | Jan. 0 | 22 48 11,082 | —30 31 34,97 |
| | Apr. 10 | 37,701 | 52,28 | | Apr. 10 | 10,973 | 35,52 |
| | Jul. 19 | 37,805 | 51,81 | | Jul. 19 | 10,867 | 36,10 |
| | Oct. 27 | 37,908 | 51,31 | | Oct. 27 | 10,764 | 36,70 |
| | Dec. 66 | 38,011 | 50,77 | | Dec. 66 | 10,663 | 37,33 |

## Tabulae X. Sect. IV. *α Piscis austrini.*

| | 1820 | | 1820 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —0,709 | —10,0 | — 9,99 | + 2,7 | +4 | 0 | 1810 | 22 47 7 6846 | —30 37 36,970 |
| 10 | —0,798 | — 7,7 | — 9,59 | + 5,4 | +4 | 0 | 1811 | 47 11,0280 | 37 18,148 |
| 20 | —0,863 | — 5,2 | — 8,91 | + 8,2 | +3 | —1 | 1812 | 47 14,3711 | 36 59,324 |
| 30 | —0,901 | — 2,4 | — 7,96 | +10,7 | +3 | —1 | 1813 | 47 17,7140 | 36 40,499 |
| Febr. 9 | —0,910 | + 0,7 | — 6,78 | +13,0 | +2 | —2 | 1814 | 47 21,0567 | 36 21,672 |
| | | | | | | | 1815 | 47 24,3992 | 36 2,844 |
| 19 | —0,887 | + 4,0 | — 5,36 | +15,2 | +1 | —2 | 1816 | 47 27,7415 | 35 44,014 |
| Mart. 1 | —0,831 | + 7,4 | — 3,74 | +17,2 | +1 | —2 | 1817 | 47 31,0835 | 35 25,183 |
| 11 | —0,739 | +11,0 | — 1,93 | +18,9 | 0 | —2 | 1818 | 47 34,4253 | 35 6,350 |
| 21 | —0,611 | +14,8 | + 0,04 | +20,4 | —1 | —3 | 1819 | 47 37,7669 | 34 47,516 |
| 31 | —0,444 | +18,6 | + 2,14 | +21,5 | —2 | —3 | 1820 | 47 41,1083 | 34 28,680 |
| | | | | | | | 1821 | 47 44,4495 | 34 9,843 |
| Apr. 10 | —0,240 | +22,2 | + 4,33 | +22,2 | —2 | —3 | 1822 | 47 47,7905 | 33 51,004 |
| 20 | 0,000 | +25,7 | + 6,58 | +22,6 | —3 | —2 | 1823 | 47 51,1312 | 33 32,164 |
| 30 | +0,274 | +28,9 | + 8,84 | +22,4 | —3 | —2 | 1824 | 47 54,4717 | 33 13,323 |
| Maj. 10 | +0,578 | +31,6 | +11,06 | +21,8 | —4 | —2 | 1825 | 47 57,8120 | 32 54,480 |
| 20 | +0,905 | +33,6 | +13,19 | +20,6 | —4 | —2 | 1826 | 48 1,1521 | 32 35,635 |
| | | | | | | | 1827 | 48 4,4920 | 32 16,789 |
| 30 | +1,249 | +34,9 | +15,17 | +18,9 | —4 | —1 | 1828 | 48 7,8317 | 31 57,941 |
| Jun. 9 | +1,602 | +35,3 | +16,96 | +16,7 | —5 | —1 | 1829 | 48 11,1710 | 31 39,092 |
| 19 | +1,955 | +34,9 | +18,51 | +14,1 | —5 | 0 | 1830 | 48 14,5102 | 31 20,242 |
| 29 | +2,299 | +33,5 | +19,78 | +11,2 | —5 | 0 | | | |
| Jul. 9 | +2,625 | +31,3 | +20,74 | + 7,9 | —5 | +1 | | | |
| 19 | +2,924 | +28,2 | +21,36 | + 4,5 | —4 | +1 | | | |
| 29 | +3,188 | +24,4 | +21,64 | + 1,1 | —4 | +2 | | | |
| Aug. 8 | +3,411 | +20,1 | +21,57 | — 2,4 | —4 | +3 | | | |
| 18 | +3,589 | +15,3 | +21,17 | — 5,6 | —3 | +3 | | | |
| 28 | +3,717 | +10,4 | +20,46 | — 8,3 | —3 | +3 | | | |
| Sept. 7 | +3,796 | + 5,4 | +19,51 | —10,6 | —2 | +4 | | | |
| 17 | +3,825 | + 0,7 | +18,34 | —12,4 | —2 | +4 | | | |
| 27 | +3,809 | — 3,7 | +17,03 | —13,5 | —1 | +4 | | | |
| Oct. 7 | +3,752 | — 7,4 | +15,64 | —14,0 | 0 | +4 | | | |
| 17 | +3,661 | —10,5 | +14,23 | —13,8 | 0 | +4 | | | |
| 27 | +3,542 | —12,8 | +12,88 | —13,0 | +1 | +4 | | | |
| Nov. 6 | +3,405 | —14,3 | +11,64 | —11,6 | +1 | +4 | | | |
| 16 | +3,257 | —15,0 | +10,57 | — 9,6 | +2 | +4 | | | |
| 26 | +3,105 | —15,0 | + 9,72 | — 7,3 | +2 | +3 | | | |
| Dec. 6 | +2,958 | —14,2 | + 9,12 | — 4,7 | +2 | +3 | | | |
| 16 | +2,821 | —13,0 | + 8,78 | — 2,0 | +2 | +2 | | | |
| 26 | +2,699 | —11,3 | + 8,73 | + 0,9 | +2 | +2 | | | |
| 36 | +2,596 | — 9,2 | + 8,96 | + 3,7 | +2 | +1 | | | |

Diei reducto addendum est:

ante } Febr. 28 { 0
post } Febr. 28 { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Pegasi.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 22h 55′ 18″,744 | +14° 11′ 11″,12 | 1820 | Jan. 1 | 22h 55′ 47″,816 | +14° 14′ 15″,91 |
| | Apr. 10 | 18,658 | 10,61 | | Apr. 10 | 47,905 | 16,47 |
| | Jul. 19 | 18,570 | 10,07 | | Jul. 19 | 47,994 | 17,05 |
| | Oct. 27 | 18,479 | 9,50 | | Oct. 27 | 48,084 | 17,65 |
| | Dec. 66 | 18,385 | 8,90 | | Dec. 66 | 48,175 | 18,27 |
| 1811 | Jan. 0 | 22 55 21,397 | +14 11 28,35 | 1821 | Jan. 0 | 22 55 51,125 | +14 14 37,32 |
| | Apr. 10 | 21,302 | 27,73 | | Apr. 10 | 51,215 | 37,95 |
| | Jul. 19 | 21,208 | 27,10 | | Jul. 19 | 51,304 | 38,56 |
| | Oct. 27 | 21,114 | 26,46 | | Oct. 27 | 51,390 | 39,17 |
| | Dec. 66 | 21,020 | 25,81 | | Dec. 66 | 51,474 | 39,79 |
| 1812 | Jan. 1 | 22 55 24,032 | +14 11 45,28 | 1822 | Jan. 0 | 22 55 54,427 | +14 14 58,84 |
| | Apr. 10 | 23,939 | 44,63 | | Apr. 10 | 54,509 | 59,45 |
| | Jul. 19 | 23,850 | 43,99 | | Jul. 19 | 54,587 | 15 0,04 |
| | Oct. 27 | 23,765 | 43,36 | | Oct. 27 | 54,661 | 0,61 |
| | Dec. 66 | 23,683 | 42,74 | | Dec. 66 | 54,730 | 1,17 |
| 1813 | Jan. 0 | 22 55 26,690 | +14 12 2,19 | 1823 | Jan. 0 | 22 55 57,688 | +14 15 20,25 |
| | Apr. 10 | 26,611 | 1,58 | | Apr. 10 | 57,753 | 20,78 |
| | Jul. 19 | 26,538 | 1,01 | | Jul. 19 | 57,812 | 21,28 |
| | Oct. 27 | 26,471 | 0,46 | | Oct. 27 | 57,864 | 21,74 |
| | Dec. 66 | 26,410 | 11 59,94 | | Dec. 66 | 57,910 | 22,17 |
| 1814 | Jan. 0 | 22 55 29,410 | +14 12 19,36 | 1824 | Jan. 1 | 22 56 0,876 | +14 15 41,29 |
| | Apr. 10 | 29,354 | 18,87 | | Apr. 10 | 0,917 | 41,69 |
| | Jul. 19 | 29,305 | 18,42 | | Jul. 19 | 0,950 | 42,04 |
| | Oct. 27 | 29,264 | 18,02 | | Oct. 27 | 0,974 | 42,34 |
| | Dec. 66 | 29,230 | 17,66 | | Dec. 66 | 0,991 | 42,59 |
| 1815 | Jan. 0 | 22 55 32,221 | +14 12 37,03 | 1825 | Jan. 0 | 22 56 3,968 | +14 16 1,77 |
| | Apr. 10 | 32,193 | 36,71 | | Apr. 10 | 3,979 | 1,99 |
| | Jul. 19 | 32,174 | 36,44 | | Jul. 19 | 3,981 | 2,14 |
| | Oct. 27 | 32,163 | 36,23 | | Oct. 27 | 3,975 | 2,24 |
| | Dec. 66 | 32,160 | 36,07 | | Dec. 66 | 3,960 | 2,27 |
| 1816 | Jan. 1 | 22 55 35,141 | +14 12 55,37 | 1826 | Jan. 0 | 22 56 6,947 | +14 16 21,53 |
| | Apr. 10 | 35,144 | 55,25 | | Apr. 10 | 6,926 | 21,53 |
| | Jul. 19 | 35,155 | 55,19 | | Jul. 19 | 6,897 | 21,47 |
| | Oct. 27 | 35,175 | 55,18 | | Oct. 27 | 6,860 | 21,35 |
| | Dec. 66 | 35,203 | 55,23 | | Dec. 66 | 6,815 | 21,17 |
| 1817 | Jan. 0 | 22 55 38,173 | +14 13 14,46 | 1827 | Jan. 0 | 22 56 9,812 | +14 16 40,51 |
| | Apr. 10 | 38,206 | 14,55 | | Apr. 10 | 9,761 | 40,29 |
| | Jul. 19 | 38,247 | 14,69 | | Jul. 19 | 9,704 | 40,02 |
| | Oct. 27 | 38,294 | 14,89 | | Oct. 27 | 9,640 | 39,69 |
| | Dec. 66 | 38,349 | 15,14 | | Dec. 66 | 9,569 | 39,31 |
| 1818 | Jan. 0 | 22 55 41,311 | +14 13 34,31 | 1828 | Jan. 1 | 22 56 12,575 | +14 16 58,71 |
| | Apr. 10 | 41,370 | 34,60 | | Apr. 10 | 12,500 | 58,30 |
| | Jul. 19 | 41,434 | 34,93 | | Jul. 19 | 12,421 | 57,84 |
| | Oct. 27 | 41,504 | 35,31 | | Oct. 27 | 12,337 | 57,35 |
| | Dec. 66 | 41,579 | 35,73 | | Dec. 66 | 12,248 | 56,81 |
| 1819 | Jan. 0 | 22 55 44,534 | +14 13 54,84 | 1829 | Jan. 0 | 22 56 15,260 | +14 17 16,26 |
| | Apr. 10 | 44,612 | 55,29 | | Apr. 10 | 15,169 | 15,70 |
| | Jul. 19 | 44,693 | 55,77 | | Jul. 19 | 15,077 | 15,12 |
| | Oct. 27 | 44,777 | 56,29 | | Oct. 27 | 14,984 | 14,51 |
| | Dec. 66 | 44,864 | 56,84 | | Dec. 66 | 14,889 | 13,88 |

## Tabulae X. Sect. IV. *α Pegasi.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,558 | − 9,6 | + 3,44 | −10,6 | +3 | +2 |
| 10 | −0,647 | − 8,0 | + 2,32 | −11,7 | +2 | +2 |
| 20 | −0,717 | − 6,0 | + 1,10 | −12,5 | +2 | +2 |
| 30 | −0,767 | − 3,8 | − 0,17 | −12,6 | +2 | +2 |
| Febr. 9 | −0,792 | − 1,1 | − 1,42 | −12,2 | +1 | +2 |
| 19 | −0,789 | + 1,9 | − 2,60 | −11,2 | +1 | +2 |
| Mart. 1 | −0,755 | + 5,1 | − 3,65 | − 9,5 | 0 | +2 |
| 11 | −0,687 | + 8,7 | − 4,50 | − 7,2 | −1 | +1 |
| 21 | −0,582 | +12,4 | − 5,09 | − 4,5 | −1 | +1 |
| 31 | −0,440 | +16,1 | − 5,39 | − 1,4 | −1 | +1 |
| Apr. 10 | −0,261 | +19,7 | − 5,36 | + 2,0 | −2 | 0 |
| 20 | −0,046 | +23,2 | − 4,99 | + 5,6 | −2 | 0 |
| 30 | +0,202 | +26,2 | − 4,25 | + 9,1 | −2 | 0 |
| Maj. 10 | +0,477 | +28,6 | − 3,18 | +12,4 | −3 | −1 |
| 20 | +0,774 | +30,5 | − 1,78 | +15,4 | −3 | −1 |
| 30 | +1,086 | +31,6 | − 0,10 | +18,0 | −3 | −1 |
| Jun. 9 | +1,406 | +31,9 | + 1,82 | +20,1 | −3 | −1 |
| 19 | +1,723 | +31,3 | + 3,92 | +21,6 | −2 | −2 |
| 29 | +2,031 | +29,9 | + 6,14 | +22,6 | −2 | −2 |
| Jul. 9 | +2,321 | +27,8 | + 8,44 | +23,1 | −2 | −2 |
| 19 | +2,586 | +24,9 | +10,75 | +22,9 | −2 | −1 |
| 29 | +2,819 | +21,5 | +13,01 | +22,1 | −1 | −1 |
| Aug. 8 | +3,015 | +17,6 | +15,17 | +21,0 | −1 | −1 |
| 18 | +3,171 | +13,5 | +17,20 | +19,5 | 0 | −1 |
| 28 | +3,285 | + 9,3 | +19,06 | +17,6 | 0 | −1 |
| Sept. 7 | +3,356 | + 5,1 | +20,72 | +15,5 | +1 | 0 |
| 17 | +3,387 | + 1,3 | +22,15 | +13,2 | +1 | 0 |
| 27 | +3,381 | − 2,4 | +23,35 | +10,8 | +2 | 0 |
| Oct. 7 | +3,340 | − 5,5 | +24,30 | + 8,3 | +2 | +1 |
| 17 | +3,272 | − 7,9 | +25,01 | + 5,9 | +3 | +1 |
| 27 | +3,182 | − 9,9 | +25,47 | + 3,4 | +3 | +2 |
| Nov. 6 | +3,075 | −11,3 | +25,68 | + 0,9 | +3 | +2 |
| 16 | +2,957 | −12,0 | +25,65 | − 1,5 | +3 | +2 |
| 26 | +2,835 | −12,3 | +25,39 | − 3,7 | +4 | +3 |
| Dec. 6 | +2,712 | −12,1 | +24,91 | − 5,9 | +4 | +3 |
| 16 | +2,593 | −11,4 | +24,22 | − 7,9 | +4 | +3 |
| 26 | +2,485 | −10,3 | +23,34 | − 9,6 | +3 | +3 |
| 36 | +2,388 | − 9,0 | +22,30 | −11,1 | +3 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 22 55 18,2612 | +14 11 6,523 |
| 1811 | 55 21,2416 | 11 25,770 |
| 1812 | 55 24,2221 | 11 45,019 |
| 1813 | 55 27,2026 | 12 4,269 |
| 1814 | 55 30,1832 | 12 23,520 |
| 1815 | 55 33,1638 | 12 42,772 |
| 1816 | 55 36,1445 | 13 2,025 |
| 1817 | 55 39,1252 | 13 21,279 |
| 1818 | 55 42,1060 | 13 40,535 |
| 1819 | 55 45,0869 | 13 59,792 |
| 1820 | 55 48,0678 | 14 19,050 |
| 1821 | 55 51,0488 | 14 38,309 |
| 1822 | 55 54,0298 | 14 57,569 |
| 1823 | 55 57,0109 | 15 16,830 |
| 1824 | 55 59,9919 | 15 36,093 |
| 1825 | 56 2,9730 | 15 55,357 |
| 1826 | 56 5,9542 | 16 14,622 |
| 1827 | 56 8,9355 | 16 33,888 |
| 1828 | 56 11,9168 | 16 53,155 |
| 1829 | 56 14,8982 | 17 12,423 |
| 1830 | 56 17,8797 | 17 31,692 |

Diei reducto addendum est:

ante / post } Mart. 2 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *a Andromedae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 23 58 36,027 | + 28 2 29,90 | 1820 | Jan. 1 | 23 59 5,702 | + 28 5 45,83 |
| | Apr. 10 | 35,943 | 29,30 | | Apr. 10 | 5,793 | 46,43 |
| | Jul. 19 | 35,855 | 28,68 | | Jul. 19 | 5,885 | 47,03 |
| | Oct. 27 | 35,763 | 28,06 | | Oct. 27 | 5,980 | 47,62 |
| | Dec. 66 | 35,667 | 27,43 | | Dec. 66 | 6,076 | 48,22 |
| 1811 | Jan. 0 | 23 58 38,775 | + 28 2 47,54 | 1821 | Jan. 0 | 23 59 9,121 | + 28 6 7,92 |
| | Apr. 10 | 38,677 | 46,91 | | Apr. 10 | 9,218 | 8,51 |
| | Jul. 19 | 38,577 | 46,29 | | Jul. 19 | 9,314 | 9,07 |
| | Oct. 27 | 38,477 | 45,68 | | Oct. 27 | 9,409 | 9,61 |
| | Dec. 66 | 38,376 | 45,07 | | Dec. 66 | 9,504 | 10,14 |
| 1812 | Jan. 1 | 23 58 41,485 | + 28 3 5,18 | 1822 | Jan. 0 | 23 59 12,550 | + 28 6 29,87 |
| | Apr. 10 | 41,384 | 4,59 | | Apr. 10 | 12,643 | 30,37 |
| | Jul. 19 | 41,285 | 4,03 | | Jul. 19 | 12,733 | 30,84 |
| | Oct. 27 | 41,188 | 3,50 | | Oct. 27 | 12,820 | 31,27 |
| | Dec. 66 | 41,094 | 3,01 | | Dec. 66 | 12,903 | 31,67 |
| 1813 | Jan. 0 | 23 58 44,200 | + 28 3 23,07 | 1823 | Jan. 0 | 23 59 15,954 | + 28 6 51,45 |
| | Apr. 10 | 44,108 | 22,60 | | Apr. 10 | 16,032 | 51,82 |
| | Jul. 19 | 44,022 | 22,17 | | Jul. 19 | 16,106 | 52,14 |
| | Oct. 27 | 43,940 | 21,79 | | Oct. 27 | 16,173 | 52,41 |
| | Dec. 66 | 43,864 | 21,45 | | Dec. 66 | 16,235 | 52,64 |
| 1814 | Jan. 0 | 23 58 46,965 | + 28 3 41,47 | 1824 | Jan. 1 | 23 59 19,292 | + 28 7 12,47 |
| | Apr. 10 | 46,893 | 41,16 | | Apr. 10 | 19,349 | 12,66 |
| | Jul. 19 | 46,828 | 40,91 | | Jul. 19 | 19,398 | 12,80 |
| | Oct. 27 | 46,771 | 40,72 | | Oct. 27 | 19,439 | 12,88 |
| | Dec. 66 | 46,721 | 40,58 | | Dec. 66 | 19,471 | 12,90 |
| 1815 | Jan. 0 | 23 58 49,813 | + 28 4 0,52 | 1825 | Jan. 0 | 23 59 22,539 | + 28 7 32,81 |
| | Apr. 10 | 49,768 | 0,42 | | Apr. 10 | 22,566 | 32,79 |
| | Jul. 19 | 49,733 | 0,38 | | Jul. 19 | 22,584 | 32,72 |
| | Oct. 27 | 49,706 | 0,39 | | Oct. 27 | 22,593 | 32,59 |
| | Dec. 66 | 49,689 | 0,46 | | Dec. 66 | 22,592 | 32,41 |
| 1816 | Jan. 1 | 23 58 52,769 | + 28 4 20,33 | 1826 | Jan. 0 | 23 59 25,671 | + 28 7 52,38 |
| | Apr. 10 | 52,757 | 20,44 | | Apr. 10 | 25,665 | 52,16 |
| | Jul. 19 | 52,754 | 20,60 | | Jul. 19 | 25,649 | 51,89 |
| | Oct. 27 | 52,759 | 20,81 | | Oct. 27 | 25,624 | 51,56 |
| | Dec. 66 | 52,774 | 21,08 | | Dec. 66 | 25,590 | 51,18 |
| 1817 | Jan. 0 | 23 58 55,844 | + 28 4 40,89 | 1827 | Jan. 0 | 23 59 28,680 | + 28 8 11,22 |
| | Apr. 10 | 55,865 | 41,19 | | Apr. 10 | 28,640 | 10,81 |
| | Jul. 19 | 55,894 | 41,53 | | Jul. 19 | 28,592 | 10,37 |
| | Oct. 27 | 55,931 | 41,91 | | Oct. 27 | 28,536 | 9,88 |
| | Dec. 66 | 55,976 | 42,34 | | Dec. 66 | 28,471 | 9,35 |
| 1818 | Jan. 0 | 23 58 59,037 | + 28 5 2,10 | 1828 | Jan. 1 | 23 59 31,572 | + 28 8 29,44 |
| | Apr. 10 | 59,087 | 2,54 | | Apr. 10 | 31,502 | 28,89 |
| | Jul. 19 | 59,144 | 3,02 | | Jul. 19 | 31,427 | 28,32 |
| | Oct. 27 | 59,208 | 3,54 | | Oct. 27 | 31,346 | 27,73 |
| | Dec. 66 | 59,279 | 4,09 | | Dec. 66 | 31,259 | 27,11 |
| 1819 | Jan. 0 | 23 59 2,331 | + 28 5 23,81 | 1829 | Jan. 0 | 23 59 34,367 | + 28 8 47,22 |
| | Apr. 10 | 2,405 | 24,37 | | Apr. 10 | 34,276 | 46,60 |
| | Jul. 19 | 2,484 | 24,94 | | Jul. 19 | 34,182 | 45,98 |
| | Oct. 27 | 2,567 | 25,52 | | Oct. 27 | 34,086 | 45,35 |
| | Dec. 66 | 2,655 | 26,12 | | Dec. 66 | 33,987 | 44,72 |

## Tabulae X. Sect. IV. *α Andromedae.*

| | 1820 | | 1820 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,205 | −13,6 | + 8,32 | − 8,3 | +3 | +2 |
| 10 | −0,340 | −13,1 | + 7,36 | −10,9 | +3 | +2 |
| 20 | −0,467 | −12,1 | + 6,15 | −13,1 | +3 | +3 |
| 30 | −0,582 | −10,6 | + 4,74 | −14,8 | +2 | +3 |
| Febr. 9 | −0,678 | − 8,4 | + 3,20 | −15,8 | +2 | +3 |
| 19 | −0,749 | − 5,5 | + 1,59 | −16,2 | +1 | +3 |
| Mart. 1 | −0,788 | − 2,1 | − 0,03 | −15,7 | +1 | +3 |
| 11 | −0,791 | + 1,8 | − 1,55 | −14,5 | 0 | +3 |
| 21 | −0,753 | + 6,1 | − 2,93 | −12,6 | 0 | +2 |
| 31 | −0,670 | +10,6 | − 4,07 | −10,0 | −1 | +2 |
| Apr. 10 | −0,541 | +15,2 | − 4,93 | − 6,9 | −1 | +2 |
| 20 | −0,366 | +19,7 | − 5,44 | − 3,3 | −2 | +1 |
| 30 | −0,148 | +23,8 | − 5,59 | + 0,5 | −2 | +1 |
| Maj. 10 | +0,109 | +27,4 | − 5,34 | + 4,5 | −2 | 0 |
| 20 | +0,400 | +30,4 | − 4,70 | + 8,3 | −3 | 0 |
| 30 | +0,717 | +32,6 | − 3,68 | +12,0 | −3 | −1 |
| Jun. 9 | +1,051 | +33,9 | − 2,30 | +15,4 | −3 | −1 |
| 19 | +1,394 | +34,3 | − 0,60 | +18,4 | −2 | −2 |
| 29 | +1,737 | +33,8 | + 1,37 | +20,8 | −2 | −2 |
| Jul. 9 | +2,070 | +32,5 | + 3,56 | +22,8 | −2 | −2 |
| 19 | +2,386 | +30,3 | + 5,92 | +24,1 | −2 | −3 |
| 29 | +2,676 | +27,4 | + 8,38 | +24,8 | −1 | −3 |
| Aug. 8 | +2,934 | +24,0 | +10,88 | +25,0 | −1 | −3 |
| 18 | +3,156 | +20,3 | +13,38 | +24,7 | 0 | −3 |
| 28 | +3,339 | +16,2 | +15,82 | +23,9 | 0 | −3 |
| Sept. 7 | +3,480 | +12,1 | +18,16 | +22,8 | +1 | −3 |
| 17 | +3,580 | + 8,0 | +20,37 | +21,1 | +2 | −2 |
| 27 | +3,640 | + 4,1 | +22,37 | +19,0 | +2 | −2 |
| Oct. 7 | +3,662 | + 0,6 | +24,17 | +16,9 | +3 | −2 |
| 17 | +3,651 | − 2,5 | +25,74 | +14,4 | +3 | −1 |
| 27 | +3,609 | − 5,6 | +27,05 | +11,7 | +4 | −1 |
| Nov. 6 | +3,540 | − 7,9 | +28,08 | + 8,8 | +4 | 0 |
| 16 | +3,451 | − 9,9 | +28,81 | + 6,0 | +5 | 0 |
| 26 | +3,343 | −11,4 | +29,25 | + 2,9 | +5 | +1 |
| Dec. 6 | +3,223 | −12,6 | +29,38 | − 0,3 | +5 | +1 |
| 16 | +3,092 | −13,3 | +29,19 | − 3,5 | +5 | +1 |
| 26 | +2,957 | −13,4 | +28,69 | − 6,5 | +5 | +2 |
| 36 | +2,820 | −13,5 | +27,90 | − 9,3 | +5 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1810 | 23 58 35,3688 | + 28 2 27,526 |
| 1811 | 58 38,4440 | 2 47,432 |
| 1812 | 58 41,5194 | 3 7,339 |
| 1813 | 58 44,5949 | 3 27,245 |
| 1814 | 58 47,6706 | 3 47,152 |
| 1815 | 58 50,7465 | 4 7,058 |
| 1816 | 58 53,8226 | 4 26,965 |
| 1817 | 58 56,8988 | 4 46,871 |
| 1818 | 58 59,9752 | 5 6,777 |
| 1819 | 59 3,0517 | 5 26,684 |
| 1820 | 59 6,1285 | 5 46,590 |
| 1821 | 59 9,2054 | 6 6,496 |
| 1822 | 59 12,2825 | 6 26,402 |
| 1823 | 59 15,3598 | 6 46,309 |
| 1824 | 59 18,4373 | 7 6,215 |
| 1825 | 59 21,5150 | 7 26,121 |
| 1826 | 59 24,5928 | 7 46,027 |
| 1827 | 59 27,6708 | 8 5,933 |
| 1828 | 59 30,7490 | 8 25,839 |
| 1829 | 59 33,8274 | 8 45,745 |
| 1830 | 59 36,9059 | 9 5,650 |

Diei reducto addendum est:

ante } Mart. 19 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. IV. *α Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 0 54 59,98 | + 0,14 | 88 17 39,82 | − 0,65 | 331 | 592 |
| | Apr. 10 | 55 0,12 | − 0,04 | 39,17 | − 0,64 | | |
| | Jul. 19 | 0,08 | − 0,20 | 38,53 | − 0,63 | | |
| | Oct. 27 | 54 59,88 | − 0,37 | 37,90 | − 0,62 | | |
| | Dec. 66 | 59,51 | | 37,28 | | | |
| 1811 | Jan. 0 | 0 55 13,46 | − 0,49 | 88 17 56,97 | − 0,60 | 277 | 960 |
| | Apr. 10 | 12,97 | − 0,66 | 56,37 | − 0,58 | | |
| | Jul. 19 | 12,31 | − 0,82 | 55,79 | − 0,56 | | |
| | Oct. 27 | 11,49 | − 0,98 | 55,23 | − 0,52 | | |
| | Dec. 66 | 10,51 | | 54,71 | | | |
| 1812 | Jan. 1 | 0 55 24,74 | − 1,08 | 88 18 14,37 | − 0,50 | 223 | 328 |
| | Apr. 10 | 23,66 | − 1,21 | 13,87 | − 0,45 | | |
| | Jul. 19 | 22,45 | − 1,35 | 13,42 | − 0,40 | | |
| | Oct. 27 | 21,10 | − 1,47 | 13,02 | − 0,36 | | |
| | Dec. 66 | 19,63 | | 12,66 | | | |
| 1813 | Jan. 0 | 0 55 34,10 | − 1,55 | 88 18 32,26 | − 0,33 | 170 | 697 |
| | Apr. 10 | 32,55 | − 1,62 | 31,93 | − 0,26 | | |
| | Jul. 19 | 30,93 | − 1,71 | 31,67 | − 0,21 | | |
| | Oct. 27 | 29,22 | − 1,79 | 31,46 | − 0,16 | | |
| | Dec. 66 | 27,43 | | 31,30 | | | |
| 1814 | Jan. 0 | 0 55 42,08 | − 1,82 | 88 18 50,82 | − 0,11 | 116 | 065 |
| | Apr. 10 | 40,26 | − 1,85 | 50,71 | − 0,06 | | |
| | Jul. 19 | 38,41 | − 1,87 | 50,65 | 0,00 | | |
| | Oct. 27 | 36,54 | − 1,89 | 50,65 | + 0,07 | | |
| | Dec. 66 | 34,65 | | 50,72 | | | |
| 1815 | Jan. 0 | 0 55 49,40 | − 1,89 | 88 19 10,16 | + 0,10 | 062 | 433 |
| | Apr. 10 | 47,51 | − 1,85 | 10,26 | + 0,16 | | |
| | Jul. 19 | 45,66 | − 1,82 | 10,42 | + 0,22 | | |
| | Oct. 27 | 43,84 | − 1,78 | 10,64 | + 0,27 | | |
| | Dec. 66 | 42,06 | | 10,91 | | | |
| 1816 | Jan. 1 | 0 55 56,86 | − 1,74 | 88 19 30,28 | + 0,30 | 009 | 801 |
| | Apr. 10 | 55,12 | − 1,65 | 30,58 | + 0,35 | | |
| | Jul. 19 | 53,47 | − 1,56 | 30,93 | + 0,40 | | |
| | Oct. 27 | 51,91 | − 1,47 | 31,33 | + 0,44 | | |
| | Dec. 66 | 50,44 | | 31,77 | | | |
| 1817 | Jan. 0 | 0 56 5,21 | − 1,40 | 88 19 51,08 | + 0,46 | 955 | 170 |
| | Apr. 10 | 3,81 | − 1,27 | 51,54 | + 0,50 | | |
| | Jul. 19 | 2,54 | − 1,23 | 52,04 | + 0,53 | | |
| | Oct. 27 | 1,41 | − 1,01 | 52,57 | + 0,56 | | |
| | Dec. 66 | 0,40 | | 53,13 | | | |
| 1818 | Jan. 0 | 0 56 15,09 | − 0,90 | 88 20 12,40 | + 0,57 | 901 | 538 |
| | Apr. 10 | 14,19 | − 0,75 | 12,97 | + 0,59 | | |
| | Jul. 19 | 13,44 | − 0,59 | 13,56 | + 0,61 | | |
| | Oct. 27 | 12,85 | − 0,44 | 14,17 | + 0,62 | | |
| | Dec. 66 | 12,41 | | 14,79 | | | |
| 1819 | Jan. 0 | 0 56 26,99 | − 0,32 | 88 20 34,03 | + 0,62 | 847 | 906 |
| | Apr. 10 | 26,67 | − 0,15 | 34,65 | + 0,62 | | |
| | Jul. 19 | 26,52 | + 0,01 | 35,27 | + 0,61 | | |
| | Oct. 27 | 26,53 | + 0,18 | 35,88 | + 0,61 | | |
| | Dec. 66 | 26,71 | | 36,49 | | | |

## Tabulae X. Sect. IV. *α Ursae minoris.*

| | | | | | | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| | | h ′ ″ | ″ | ° ′ ″ | ″ | | |
| 1820 | Jan. 1 | 0 56 41,17 | + 0,30 | 88 20 55,73 | + 0,59 | 794 | 274 |
| | Apr. 10 | 41,47 | + 0,46 | 56,32 | + 0,58 | | |
| | Jul. 19 | 41,93 | + 0,63 | 56,90 | + 0,56 | | |
| | Oct. 27 | 42,56 | + 0,78 | 57,46 | + 0,54 | | |
| | Dec. 66 | 43,34 | | 58,00 | | | |
| 1821 | Jan. 0 | 0 56 57,68 | + 0,89 | 88 21 17,24 | + 0,53 | 740 | 643 |
| | Apr. 10 | 58,57 | + 1,04 | 17,77 | + 0,49 | | |
| | Jul. 19 | 59,61 | + 1,17 | 18,26 | + 0,44 | | |
| | Oct. 27 | 57 0,78 | + 1,31 | 18,70 | + 0,40 | | |
| | Dec. 66 | 2,09 | | 19,10 | | | |
| 1822 | Jan. 0 | 0 57 16,34 | + 1,40 | 88 21 38,41 | + 0,37 | 686 | 011 |
| | Apr. 10 | 17,74 | + 1,49 | 38,78 | + 0,33 | | |
| | Jul. 19 | 19,23 | + 1,60 | 39,11 | + 0,27 | | |
| | Oct. 27 | 20,83 | + 1,71 | 39,38 | + 0,23 | | |
| | Dec. 66 | 22,54 | | 39,61 | | | |
| 1823 | Jan. 0 | 0 57 36,75 | + 1,75 | 88 21 58,97 | + 0,19 | 632 | 379 |
| | Apr. 10 | 38,50 | + 1,81 | 59,16 | + 0,14 | | |
| | Jul. 19 | 40,31 | + 1,86 | 59,30 | + 0,08 | | |
| | Oct. 27 | 42,17 | + 1,93 | 59,38 | + 0,02 | | |
| | Dec. 66 | 44,10 | | 59,40 | | | |
| 1824 | Jan. 1 | 0 57 58,33 | + 1,93 | 88 22 18,83 | − 0,02 | 579 | 747 |
| | Apr. 10 | 58 0,26 | + 1,93 | 18,81 | − 0,07 | | |
| | Jul. 19 | 2,19 | + 1,92 | 18,74 | − 0,14 | | |
| | Oct. 27 | 4,11 | + 1,92 | 18,60 | − 0,18 | | |
| | Dec. 66 | 6,03 | | 18,42 | | | |
| 1825 | Jan. 0 | 0 58 20,36 | + 1,89 | 88 22 37,91 | − 0,23 | 525 | 116 |
| | Apr. 10 | 22,25 | + 1,82 | 37,68 | − 0,28 | | |
| | Jul. 19 | 24,07 | + 1,76 | 37,40 | − 0,33 | | |
| | Oct. 27 | 25,83 | + 1,69 | 37,07 | − 0,38 | | |
| | Dec. 66 | 27,52 | | 36,69 | | | |
| 1826 | Jan. 0 | 0 58 42,03 | + 1,64 | 88 22 56,23 | − 0,41 | 471 | 484 |
| | Apr. 10 | 43,67 | + 1,51 | 55,82 | − 0,46 | | |
| | Jul. 19 | 45,18 | + 1,38 | 55,36 | − 0,49 | | |
| | Oct. 27 | 46,56 | + 1,25 | 54,87 | − 0,54 | | |
| | Dec. 66 | 47,81 | | 54,33 | | | |
| 1827 | Jan. 0 | 0 59 2,56 | + 1,17 | 88 23 13,92 | − 0,56 | 418 | 852 |
| | Apr. 10 | 3,73 | + 1,00 | 13,36 | − 0,58 | | |
| | Jul. 19 | 4,73 | + 0,84 | 12,78 | − 0,61 | | |
| | Oct. 27 | 5,57 | + 0,68 | 12,17 | − 0,63 | | |
| | Dec. 66 | 6,25 | | 11,54 | | | |
| 1828 | Jan. 1 | 0 59 21,29 | + 0,56 | 88 23 31,16 | − 0,65 | 364 | 221 |
| | Apr. 10 | 21,85 | + 0,37 | 30,51 | − 0,64 | | |
| | Jul. 19 | 22,22 | + 0,19 | 29,87 | − 0,64 | | |
| | Oct. 27 | 22,41 | + 0,01 | 29,23 | − 0,65 | | |
| | Dec. 66 | 22,42 | | 28,58 | | | |
| 1829 | Jan. 0 | 0 59 37,77 | − 0,12 | 88 23 48,19 | − 0,65 | 310 | 589 |
| | Apr. 10 | 37,65 | − 0,31 | 47,54 | − 0,62 | | |
| | Jul. 19 | 37,34 | − 0,49 | 46,92 | − 0,61 | | |
| | Oct. 27 | 36,85 | − 0,68 | 46,31 | − 0,58 | | |
| | Dec. 66 | 36,17 | | 45,73 | | | |

## Tabulae X. Sect. IV. *α Ursae minoris.*

| | Corr. A. R. pro 1820 | | Variatio annua | | Corr. Decl. pro 1820 | | Variatio annua | | Mot. Arg. ☉+☊ | ☽ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | | |
| Jan. 0 | + 6,01 | −7,39 | +0,0694 | −230 | +20,07 | +0,60 | −0,0024 | +35 | 000 | 000 |
| 10 | − 1,38 | −7,44 | +0,0464 | −248 | +20,67 | −0,05 | +0,0011 | +36 | 026 | 365 |
| 20 | − 8,82 | −7,22 | +0,0216 | −256 | +20,62 | −0,70 | +0,0047 | +35 | 052 | 730 |
| 30 | −16,04 | −6,71 | −0,0040 | −255 | +19,92 | −1,32 | +0,0082 | +31 | 078 | 095 |
| Febr. 9 | −22,75 | −5,95 | −0,0295 | −243 | +18,60 | −1,86 | +0,0113 | +29 | 103 | 460 |
| 19 | −28,70 | −4,94 | −0,0538 | −222 | +16,74 | −2,33 | +0,0142 | +23 | 129 | 825 |
| Mart. 1 | −33,64 | −3,76 | −0,0760 | −191 | +14,41 | −2,70 | +0,0165 | +17 | 155 | 190 |
| 11 | −37,40 | −2,43 | −0,0951 | −153 | +11,71 | −2,95 | +0,0182 | +11 | 181 | 555 |
| 21 | −39,83 | −1,03 | −0,1104 | −111 | + 8,76 | −3,08 | +0,0193 | + 5 | 207 | 920 |
| 31 | −40,86 | +0,41 | −0,1215 | − 64 | + 5,68 | −3,08 | +0,0198 | − 3 | 233 | 285 |
| Apr. 10 | −40,45 | +1,79 | −0,1279 | − 15 | + 2,60 | −2,96 | +0,0195 | − 9 | 258 | 650 |
| 20 | −38,66 | +3,11 | −0,1294 | + 33 | − 0,36 | −2,74 | +0,0186 | −15 | 284 | 015 |
| 30 | −35,55 | +4,28 | −0,1261 | + 79 | − 3,10 | −2,41 | +0,0171 | −20 | 310 | 380 |
| Maj. 10 | −31,27 | +5,30 | −0,1182 | +121 | − 5,51 | −2,00 | +0,0151 | −25 | 336 | 745 |
| 20 | −25,97 | +6,14 | −0,1061 | +160 | − 7,51 | −1,54 | +0,0126 | −28 | 362 | 110 |
| 30 | −19,83 | +6,78 | −0,0901 | +192 | − 9,05 | −1,02 | +0,0098 | −32 | 388 | 475 |
| Jun. 9 | −13,05 | +7,21 | −0,0709 | +219 | −10,07 | −0,48 | +0,0066 | −33 | 413 | 840 |
| 19 | − 5,84 | +7,44 | −0,0490 | +240 | −10,55 | +0,07 | +0,0033 | −35 | 439 | 205 |
| 29 | + 1,60 | +7,48 | −0,0250 | +255 | −10,48 | +0,63 | −0,0002 | −35 | 465 | 570 |
| Jul. 9 | + 9,08 | +7,34 | +0,0005 | +264 | − 9,85 | +1,16 | −0,0037 | −33 | 491 | 935 |
| 19 | +16,42 | +7,03 | +0,0269 | +265 | − 8,69 | +1,66 | −0,0070 | −34 | 517 | 300 |
| 29 | +23,45 | +6,57 | +0,0534 | +262 | − 7,03 | +2,13 | −0,0104 | −30 | 543 | 665 |
| Aug. 8 | +30,02 | +5,96 | +0,0796 | +254 | − 4,90 | +2,56 | −0,0134 | −28 | 568 | 030 |
| 18 | +35,98 | +5,24 | +0,1050 | +240 | − 2,34 | +2,92 | −0,0162 | −24 | 594 | 395 |
| 28 | +41,22 | +4,42 | +0,1290 | +221 | + 0,58 | +3,24 | −0,0186 | −21 | 620 | 760 |
| Sept. 7 | +45,64 | +3,50 | +0,1511 | +198 | + 3,82 | +3,48 | −0,0207 | −16 | 646 | 125 |
| 17 | +49,14 | +2,50 | +0,1709 | +171 | + 7,30 | +3,67 | −0,0223 | −12 | 672 | 490 |
| 27 | +51,64 | +1,44 | +0,1880 | +140 | +10,97 | +3,77 | −0,0235 | − 6 | 698 | 855 |
| Oct. 7 | +53,08 | +0,32 | +0,2020 | +104 | +14,74 | +3,81 | −0,0241 | − 1 | 723 | 220 |
| 17 | +53,40 | −0,83 | +0,2124 | + 66 | +18,55 | +3,75 | −0,0242 | + 4 | 749 | 585 |
| 27 | +52,57 | −1,98 | +0,2190 | + 23 | +22,30 | +3,61 | −0,0238 | +10 | 775 | 950 |
| Nov. 6 | +50,59 | −3,12 | +0,2213 | − 19 | +25,91 | +3,39 | −0,0228 | +16 | 801 | 315 |
| 16 | +47,47 | −4,21 | +0,2194 | − 62 | +29,30 | +3,06 | −0,0212 | +21 | 827 | 680 |
| 26 | +43,26 | −5,21 | +0,2132 | −106 | +32,36 | +2,66 | −0,0191 | +26 | 853 | 045 |
| Dec. 6 | +38,05 | −6,07 | +0,2026 | −148 | +35,02 | +2,17 | −0,0165 | +30 | 879 | 410 |
| 16 | +31,98 | −6,76 | +0,1878 | −184 | +37,19 | +1,62 | −0,0135 | +33 | 904 | 775 |
| 26 | +25,22 | −7,24 | +0,1694 | −218 | +38,81 | +1,00 | −0,0102 | +36 | 930 | 140 |
| 36 | +17,98 | | +0,1476 | | +39,81 | | −0,0066 | | 956 | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 4 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Oct. 8 { + 1,5 / + 2,5 }

## Tabulae X. Sect. IV. α *Ursae minoris.*

| Motus Arg. | | |
|---|---|---|
| Dies | ☉+☊ | ☽ |
| 1 | 003 | 037 |
| 2 | 005 | 073 |
| 3 | 008 | 110 |
| 4 | 010 | 146 |
| 5 | 013 | 183 |
| 6 | 016 | 219 |
| 7 | 018 | 256 |
| 8 | 021 | 292 |
| 9 | 023 | 329 |
| 10 | 026 | 365 |

| Arg. ☉ + ☊ | | |
|---|---|---|
| Arg. | A. R. | Arg. |
| 000 | —0″,03 + | 500 |
| 010 | —0,03 + | 510 |
| 020 | —0,02 + | 520 |
| 030 | —0,02 + | 530 |
| 040 | —0,01 + | 540 |
| 050 | —0,01 + | 550 |
| 060 | —0,01 + | 560 |
| 070 | 0,00 | 570 |
| 080 | 0,00 | 580 |
| 090 | 0,00 | 590 |
| 100 | +0,01 — | 600 |
| 110 | +0,01 — | 610 |
| 120 | +0,02 — | 620 |
| 130 | +0,02 — | 630 |
| 140 | +0,02 — | 640 |
| 150 | +0,03 — | 650 |
| 160 | +0,03 — | 660 |
| 170 | +0,03 — | 670 |
| 180 | +0,04 — | 680 |
| 190 | +0,04 — | 690 |
| 200 | +0,04 — | 700 |
| 210 | +0,04 — | 710 |
| 220 | +0,05 — | 720 |
| 230 | +0,05 — | 730 |
| 240 | +0,05 — | 740 |
| 250 | +0,05 — | 750 |
| 260 | +0,05 — | 760 |
| 270 | +0,06 — | 770 |
| 280 | +0,06 — | 780 |
| 290 | +0,06 — | 790 |
| 300 | +0,06 — | 800 |
| 310 | +0,06 — | 810 |
| 320 | +0,06 — | 820 |
| 330 | +0,06 — | 830 |
| 340 | +0,06 — | 840 |
| 350 | +0,06 — | 850 |
| 360 | +0,06 — | 860 |
| 370 | +0,06 — | 870 |
| 380 | +0,06 — | 880 |
| 390 | +0,05 — | 890 |
| 400 | +0,05 — | 900 |
| 410 | +0,05 — | 910 |
| 420 | +0,05 — | 920 |
| 430 | +0,05 — | 930 |
| 440 | +0,04 — | 940 |
| 450 | +0,04 — | 950 |
| 460 | +0,04 — | 960 |
| 470 | +0,04 — | 970 |
| 480 | +0,04 — | 980 |
| 490 | +0,03 — | 990 |

| Arg. ☽ | | | |
|---|---|---|---|
| Arg. | Arg. | A. R. | Decl. |
| 000 | 500 | —0″,20 | +0″,02 |
| 010 | 510 | —0,20 | +0,01 |
| 020 | 520 | —0,20 | 0,00 |
| 030 | 530 | —0,20 | —0,01 |
| 040 | 540 | —0,20 | —0,02 |
| 050 | 550 | —0,19 | —0,03 |
| 060 | 560 | —0,18 | —0,04 |
| 070 | 570 | —0,17 | —0,05 |
| 080 | 580 | —0,15 | —0,05 |
| 090 | 590 | —0,14 | —0,06 |
| 100 | 600 | —0,12 | —0,07 |
| 110 | 610 | —0,09 | —0,07 |
| 120 | 620 | —0,07 | —0,08 |
| 130 | 630 | —0,05 | —0,08 |
| 140 | 640 | —0,02 | —0,08 |
| 150 | 650 | +0,01 | —0,08 |
| 160 | 660 | +0,03 | —0,08 |
| 170 | 670 | +0,06 | —0,08 |
| 180 | 680 | +0,08 | —0,07 |
| 190 | 690 | +0,10 | —0,07 |
| 200 | 700 | +0,12 | —0,06 |
| 210 | 710 | +0,14 | —0,06 |
| 220 | 720 | +0,16 | —0,05 |
| 230 | 730 | +0,18 | —0,04 |
| 240 | 740 | +0,19 | —0,03 |
| 250 | 750 | +0,20 | —0,02 |
| 260 | 760 | +0,20 | —0,01 |
| 270 | 770 | +0,20 | 0,00 |
| 280 | 780 | +0,20 | +0,01 |
| 290 | 790 | +0,20 | +0,02 |
| 300 | 800 | +0,19 | +0,03 |
| 310 | 810 | +0,18 | +0,04 |
| 320 | 820 | +0,17 | +0,05 |
| 330 | 830 | +0,15 | +0,05 |
| 340 | 840 | +0,14 | +0,06 |
| 350 | 850 | +0,12 | +0,07 |
| 360 | 860 | +0,09 | +0,07 |
| 370 | 870 | +0,07 | +0,08 |
| 380 | 880 | +0,05 | +0,08 |
| 390 | 890 | +0,02 | +0,08 |
| 400 | 900 | —0,01 | +0,08 |
| 410 | 910 | —0,03 | +0,08 |
| 420 | 920 | —0,06 | +0,08 |
| 430 | 930 | —0,08 | +0,07 |
| 440 | 940 | —0,10 | +0,07 |
| 450 | 950 | —0,12 | +0,06 |
| 460 | 960 | —0,14 | +0,06 |
| 470 | 970 | —0,16 | +0,05 |
| 480 | 980 | —0,18 | +0,04 |
| 490 | 990 | —0,19 | +0,03 |

## Tabulae X. Sect. IV. *α Ursae minoris.*

| | A. R. med. | + | Decl. med. | + |
|---|---|---|---|---|
| | h ′ ″ | ″ | ° ′ ″ | ″ |
| 1810 | 0 54 39,837 | 13,805 | 88 17 39,574 | 19,491 |
| 1811 | 54 53,642 | 13,884 | 17 59,065 | 19,487 |
| 1812 | 55 7,526 | 13,963 | 18 18,552 | 19,482 |
| 1813 | 55 21,489 | 14,043 | 18 38,034 | 19,477 |
| 1814 | 55 35,532 | 14,123 | 18 57,511 | 19,472 |
| 1815 | 55 49,655 | 14,204 | 19 16,983 | 19,467 |
| 1816 | 56 3,859 | 14,287 | 19 36,450 | 19,462 |
| 1817 | 56 18,146 | 14,369 | 19 55,912 | 19,458 |
| 1818 | 56 32,515 | 14,453 | 20 15,370 | 19,452 |
| 1819 | 56 46,968 | 14,537 | 20 34,822 | 19,448 |
| 1820 | 57 1,505 | 14,623 | 20 54,270 | 19,442 |
| 1821 | 57 16,128 | 14,708 | 21 13,712 | 19,436 |
| 1822 | 57 30,836 | 14,796 | 21 33,148 | 19,430 |
| 1823 | 57 45,632 | 14,884 | 21 52,578 | 19,424 |
| 1824 | 58 0,516 | 14,972 | 22 12,002 | 19,418 |
| 1825 | 58 15,488 | 15,061 | 22 31,420 | 19,413 |
| 1826 | 58 30,549 | 15,151 | 22 50,833 | 19,408 |
| 1827 | 58 45,701 | 15,243 | 23 10,241 | 19,402 |
| 1828 | 59 0,944 | 15,335 | 23 29,643 | 19,396 |
| 1829 | 59 16,279 | 15,429 | 23 49,039 | 19,389 |
| 1830 | 59 31,708 | | 24 8,428 | |

## Tabulae X. Sect. IV. δ *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | D |
|---|---|---|---|---|---|---|
| 1810 | Jan. 0 | 18 33 28,54 | + 0,61 | 86 34 22,41 | + 0,15 | 619 |
| | Apr. 10 | 29,15 | + 0,60 | 22,56 | + 0,08 | |
| | Jul. 19 | 29,75 | + 0,61 | 22,64 | + 0,01 | |
| | Oct. 27 | 30,36 | + 0,60 | 22,65 | — 0,05 | |
| | Dec. 66 | 30,96 | | 22,60 | | |
| 1811 | Jan. 0 | 18 33 11,76 | + 0,60 | 86 34 25,55 | — 0,12 | 987 |
| | Apr. 10 | 12,36 | + 0,58 | 25,43 | — 0,20 | |
| | Jul. 19 | 12,94 | + 0,54 | 25,23 | — 0,27 | |
| | Oct. 27 | 13,48 | + 0,53 | 24,96 | — 0,35 | |
| | Dec. 66 | 14,01 | | 24,61 | | |
| 1812 | Jan. 1 | 18 32 54,84 | + 0,51 | 86 34 27,63 | — 0,40 | 355 |
| | Apr. 10 | 55,35 | + 0,46 | 27,23 | — 0,45 | |
| | Jul. 19 | 55,81 | + 0,42 | 26,78 | — 0,52 | |
| | Oct. 27 | 56,23 | + 0,39 | 26,26 | — 0,59 | |
| | Dec. 66 | 56,62 | | 25,67 | | |
| 1813 | Jan. 0 | 18 32 37,49 | + 0,36 | 86 34 28,74 | — 0,62 | 723 |
| | Apr. 10 | 37,85 | + 0,31 | 28,12 | — 0,66 | |
| | Jul. 19 | 38,16 | + 0,25 | 27,46 | — 0,70 | |
| | Oct. 27 | 38,41 | + 0,21 | 26,76 | — 0,75 | |
| | Dec. 66 | 38,62 | | 26,01 | | |
| 1814 | Jan. 0 | 18 32 19,54 | + 0,17 | 86 34 29,11 | — 0,77 | 092 |
| | Apr. 10 | 19,71 | + 0,11 | 28,34 | — 0,79 | |
| | Jul. 19 | 19,82 | + 0,06 | 27,55 | — 0,80 | |
| | Oct. 27 | 19,88 | 0,00 | 26,75 | — 0,82 | |
| | Dec. 66 | 19,88 | | 25,93 | | |
| 1815 | Jan. 0 | 18 32 0,87 | — 0,03 | 86 34 29,02 | — 0,83 | 460 |
| | Apr. 10 | 0,84 | — 0,09 | 28,19 | — 0,82 | |
| | Jul. 19 | 0,75 | — 0,14 | 27,37 | — 0,81 | |
| | Oct. 27 | 0,61 | — 0,20 | 26,56 | — 0,80 | |
| | Dec. 66 | 0,41 | | 25,76 | | |
| 1816 | Jan. 1 | 18 31 41,46 | — 0,23 | 86 34 28,81 | — 0,79 | 828 |
| | Apr. 10 | 41,23 | — 0,27 | 28,02 | — 0,76 | |
| | Jul. 19 | 40,96 | — 0,33 | 27,26 | — 0,73 | |
| | Oct. 27 | 40,63 | — 0,36 | 26 53 | — 0,70 | |
| | Dec. 66 | 40,27 | | 25,83 | | |
| 1817 | Jan. 0 | 18 31 21,36 | — 0,39 | 86 34 28,82 | — 0,67 | 196 |
| | Apr. 10 | 20,97 | — 0,43 | 28,15 | — 0,62 | |
| | Jul. 19 | 20,54 | — 0,46 | 27,53 | — 0,56 | |
| | Oct. 27 | 20,08 | — 0,49 | 26,97 | — 0,52 | |
| | Dec. 66 | 19,59 | | 26,45 | | |
| 1818 | Jan. 0 | 18 31 0,71 | — 0,51 | 86 34 29,35 | — 0,48 | 565 |
| | Apr. 10 | 0,20 | — 0,53 | 28,87 | — 0,41 | |
| | Jul. 19 | 30 59,67 | — 0,55 | 28,46 | — 0,35 | |
| | Oct. 27 | 59,12 | — 0,56 | 28,11 | — 0,29 | |
| | Dec. 66 | 58,56 | | 27,82 | | |
| 1819 | Jan. 0 | 18 30 39,69 | — 0,57 | 86 34 30,61 | — 0,23 | 933 |
| | Apr. 10 | 39,12 | — 0,57 | 30,38 | — 0,17 | |
| | Jul. 19 | 38,54 | — 0,58 | 30,21 | — 0,09 | |
| | Oct. 27 | 37,96 | — 0,58 | 30,12 | — 0,02 | |
| | Dec. 66 | 37,38 | | 30,10 | | |

## Tabulae X. Sect. IV. δ *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | D |
|---|---|---|---|---|---|---|
| 1820 | Jan. 1 | 18 30 18,52 | | 86 34 32,77 | | 301 |
| | Apr. 10 | 17,94 | — 0,58 | 32,79 | + 0,02 | |
| | Jul. 19 | 17,37 | — 0,57 | 32,89 | + 0,10 | |
| | Oct. 27 | 16,83 | — 0,54 | 33,06 | + 0,17 | |
| | Dec. 66 | 16,29 | — 0,54 | 33,31 | + 0,25 | |
| 1821 | Jan. 0 | 18 29 57,40 | | 86 34 35,87 | | 669 |
| | Apr. 10 | 56,88 | — 0,52 | 36,15 | + 0,28 | |
| | Jul. 19 | 56,38 | — 0,50 | 36,50 | + 0,35 | |
| | Oct. 27 | 55,92 | — 0,46 | 36,92 | + 0,42 | |
| | Dec. 66 | 55,49 | — 0,43 | 37,40 | + 0,48 | |
| 1822 | Jan. 0 | 18 29 36,55 | | 86 34 39,85 | | 038 |
| | Apr. 10 | 36,14 | — 0,41 | 40,37 | + 0,52 | |
| | Jul. 19 | 35,77 | — 0,37 | 40,94 | + 0,57 | |
| | Oct. 27 | 35,44 | — 0,33 | 41,56 | + 0,62 | |
| | Dec. 66 | 35,16 | — 0,28 | 42,23 | + 0,67 | |
| 1823 | Jan. 0 | 18 29 16,16 | | 86 34 44,59 | | 406 |
| | Apr. 10 | 15,91 | — 0,25 | 45,29 | + 0,70 | |
| | Jul. 19 | 15,71 | — 0,20 | 46,01 | + 0,73 | |
| | Oct. 27 | 15,55 | — 0,16 | 46,77 | + 0,76 | |
| | Dec. 66 | 15,45 | — 0,10 | 47,56 | + 0,79 | |
| 1824 | Jan. 1 | 18 28 56,38 | | 86 34 49,86 | | 774 |
| | Apr. 10 | 56,31 | — 0,07 | 50,66 | + 0,80 | |
| | Jul. 19 | 56,30 | — 0,01 | 51,47 | + 0,81 | |
| | Oct. 27 | 56,34 | + 0,04 | 52,29 | + 0,82 | |
| | Dec. 66 | 56,43 | + 0,09 | 53,11 | + 0,82 | |
| 1825 | Jan. 0 | 18 28 37,28 | | 86 34 55,37 | | 143 |
| | Apr. 10 | 37,41 | + 0,13 | 56,19 | + 0,82 | |
| | Jul. 19 | 37,60 | + 0,19 | 56,99 | + 0,80 | |
| | Oct. 27 | 37,83 | + 0,23 | 57,78 | + 0,79 | |
| | Dec. 66 | 38,12 | + 0,29 | 58,54 | + 0,76 | |
| 1826 | Jan. 0 | 18 28 18,90 | | 86 35 0,80 | | 511 |
| | Apr. 10 | 19,22 | + 0,32 | 1,54 | + 0,74 | |
| | Jul. 19 | 19,58 | + 0,36 | 2,24 | + 0,70 | |
| | Oct. 27 | 19,99 | + 0,41 | 2,90 | + 0,66 | |
| | Dec. 66 | 20,44 | + 0,45 | 3,52 | + 0,62 | |
| 1827 | Jan. 0 | 18 28 1,16 | | 86 35 5,80 | | 879 |
| | Apr. 10 | 1,63 | + 0,47 | 6,37 | + 0,57 | |
| | Jul. 19 | 2,14 | + 0,51 | 6,89 | + 0,52 | |
| | Oct. 27 | 2,67 | + 0,53 | 7,35 | + 0,46 | |
| | Dec. 66 | 3,23 | + 0,56 | 7,74 | + 0,39 | |
| 1828 | Jan. 1 | 18 27 43,91 | | 86 35 10,07 | | 247 |
| | Apr. 10 | 44,48 | + 0,57 | 10,42 | + 0,35 | |
| | Jul. 19 | 45,07 | + 0,59 | 10,69 | + 0,27 | |
| | Oct. 27 | 45,67 | + 0,60 | 10,89 | + 0,20 | |
| | Dec. 66 | 46,28 | + 0,61 | 11,01 | + 0,12 | |
| 1829 | Jan. 0 | 18 27 26,94 | | 86 35 13,40 | | 616 |
| | Apr. 10 | 27,54 | + 0,60 | 13,47 | + 0,07 | |
| | Jul. 19 | 28,15 | + 0,61 | 13,46 | — 0,01 | |
| | Oct. 27 | 28,74 | + 0,59 | 13,37 | — 0,09 | |
| | Dec. 66 | 29,33 | + 0,59 | 13,21 | — 0,16 | |

## Tabulae X. Sect. IV. δ *Ursae minoris.*

| | Corr. A. R. pro 1820 | | Variatio annua | | Corr. Decl. pro 1820 | | Variatio annua | | Mot. ☽ |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | |
| Jan. 0 | —22,65 | —0,12 | —0,0049 | +50 | — 0,09 | —3,36 | —0,0278 | — 3 | 000 |
| 10 | —22,77 | + 0,60 | +0,0001 | +50 | — 3,45 | —3,29 | —0,0281 | + 6 | 365 |
| 20 | —22,17 | + 1,30 | +0,0051 | +50 | — 6,74 | —3,10 | —0,0275 | +15 | 730 |
| 30 | —20,87 | + 1,93 | +0,0101 | +46 | — 9,84 | —2,79 | —0,0260 | +22 | 095 |
| Febr. 9 | —18,94 | + 2,49 | +0,0147 | +42 | —12,63 | —2,38 | —0,0238 | +29 | 460 |
| 19 | —16,45 | + 2,95 | +0,0189 | +34 | —15,01 | —1,87 | —0,0209 | +36 | 825 |
| Mart 1 | —13,50 | + 3,27 | +0,0223 | +27 | —16,88 | —1,31 | —0,0173 | +39 | 190 |
| 11 | —10,23 | + 3,47 | +0,0250 | +18 | —18,19 | —0,69 | —0,0134 | +42 | 555 |
| 21 | — 6,76 | + 3,53 | +0,0268 | + 9 | —18,88 | —0,06 | —0,0092 | +43 | 920 |
| 31 | — 3,23 | + 3,46 | +0,0277 | 0 | —18,94 | + 0,56 | —0,0049 | +42 | 285 |
| Apr. 10 | + 0,23 | + 3,25 | +0,0277 | —11 | —18,38 | + 1,16 | —0,0007 | +40 | 650 |
| 20 | + 3,48 | + 2,94 | +0,0266 | —19 | —17,22 | + 1,69 | +0,0033 | +35 | 015 |
| 30 | + 6,42 | + 2,53 | +0,0247 | —27 | —15,53 | + 2,17 | +0,0068 | +31 | 380 |
| Maj. 10 | + 8,95 | + 2,02 | +0,0220 | —35 | —13,36 | + 2,55 | +0,0099 | +24 | 745 |
| 20 | +10,97 | + 1,47 | +0,0185 | —40 | —10,81 | + 2,86 | +0,0123 | +17 | 110 |
| 30 | +12,44 | + 0,87 | +0,0145 | —45 | — 7,95 | + 3,08 | +0,0140 | + 9 | 475 |
| Jun. 9 | +13,31 | + 0,25 | +0,0100 | —48 | — 4,87 | + 3,19 | +0,0149 | + 2 | 840 |
| 19 | +13,56 | — 0,38 | +0,0052 | —50 | — 1,68 | + 3,22 | +0,0151 | — 6 | 205 |
| 29 | +13,18 | — 1,00 | +0,0002 | —50 | + 1,54 | + 3,17 | +0,0145 | —14 | 570 |
| Jul. 9 | +12,18 | — 1,59 | —0,0048 | —50 | + 4,71 | + 3,04 | +0,0131 | —21 | 935 |
| 19 | +10,59 | — 2,14 | —0,0098 | —47 | + 7,75 | + 2,83 | +0,0110 | —28 | 300 |
| 29 | + 8,45 | — 2,64 | —0,0145 | —46 | +10,58 | + 2,57 | +0,0082 | —35 | 665 |
| Aug. 8 | + 5,81 | — 3,10 | —0,0191 | —40 | +13,15 | + 2,26 | +0,0047 | —39 | 030 |
| 18 | + 2,71 | — 3,47 | —0,0231 | —36 | +15,41 | + 1,88 | +0,0008 | —45 | 395 |
| 28 | — 0,76 | — 3,79 | —0,0267 | —31 | +17,29 | + 1,48 | —0,0037 | —47 | 760 |
| Sept. 7 | — 4,55 | — 4,02 | —0,0298 | —23 | +18,77 | + 1,03 | —0,0084 | —51 | 125 |
| 17 | — 8,57 | — 4,16 | —0,0321 | —18 | +19,80 | + 0,57 | —0,0135 | —53 | 490 |
| 27 | —12,73 | — 4,23 | —0,0339 | —11 | +20,37 | + 0,08 | —0,0188 | —53 | 855 |
| Oct. 7 | —16,96 | — 4,18 | —0,0350 | — 2 | +20,45 | — 0,42 | —0,0241 | —52 | 220 |
| 17 | —21,14 | — 4,06 | —0,0352 | + 5 | +20,03 | — 0,91 | —0,0293 | —51 | 585 |
| 27 | —25,20 | — 3,82 | —0,0347 | +12 | +19,12 | — 1,41 | —0,0344 | —48 | 950 |
| Nov. 6 | —29,02 | — 3,48 | —0,0335 | +21 | +17,71 | — 1,88 | —0,0392 | —43 | 315 |
| 16 | —32,50 | — 3,06 | —0,0314 | +28 | +15,83 | — 2,32 | —0,0435 | —39 | 680 |
| 26 | —35,56 | — 2,53 | —0,0286 | +35 | +13,51 | — 2,69 | —0,0474 | —32 | 045 |
| Dec. 6 | —38,09 | — 1,94 | —0,0251 | +40 | +10,82 | — 3,01 | —0,0506 | —25 | 410 |
| 16 | —40,03 | — 1,27 | —0,0211 | +45 | + 7,81 | — 3,22 | —0,0531 | —17 | 775 |
| 26 | —41,30 | — 0,56 | —0,0166 | +50 | + 4,59 | — 3,34 | —0,0548 | — 8 | 140 |
| 36 | —41,86 | | —0,0116 | | + 1,25 | | —0,0556 | | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Dec. 29 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Jun. 29 { + 0,5 / + 1,5 }

## Tabulae X. Sect. IV. δ *Ursae minoris.*

Motus Arg.

| Dies | ☽ |
|---|---|
| 1 | 37 |
| 2 | 73 |
| 3 | 110 |
| 4 | 146 |
| 5 | 183 |
| 6 | 219 |
| 7 | 256 |
| 8 | 292 |
| 9 | 329 |
| 10 | 365 |

### Argumentum ☽

| Arg. | Arg. | A. R. | Decl. | Arg. | Arg. |
|---|---|---|---|---|---|
| | | ″ | ″ | | |
| 0 | 500 | — 0,01 + | — 0,09 + | 250 | 750 |
| 10 | 510 | 0,00 | — 0,09 + | 260 | 760 |
| 20 | 520 | + 0,01 — | — 0,09 + | 270 | 770 |
| 30 | 530 | + 0,02 — | — 0,08 + | 280 | 780 |
| 40 | 540 | + 0,03 — | — 0,08 + | 290 | 790 |
| 50 | 550 | + 0,03 — | — 0,08 + | 300 | 800 |
| 60 | 560 | + 0,04 — | — 0,07 + | 310 | 810 |
| 70 | 570 | + 0,05 — | — 0,06 + | 320 | 820 |
| 80 | 580 | + 0,06 — | — 0,06 + | 330 | 830 |
| 90 | 590 | + 0,06 — | — 0,05 + | 340 | 840 |
| 100 | 600 | + 0,07 — | — 0,04 + | 350 | 850 |
| 110 | 610 | + 0,07 — | — 0,03 + | 360 | 860 |
| 120 | 620 | + 0,08 — | — 0,02 + | 370 | 870 |
| 130 | 630 | + 0,08 — | — 0,01 + | 380 | 880 |
| 140 | 640 | + 0,08 — | + 0,01 — | 390 | 890 |
| 150 | 650 | + 0,08 — | + 0,02 — | 400 | 900 |
| 160 | 660 | + 0,07 — | + 0,03 — | 410 | 910 |
| 170 | 670 | + 0,07 — | + 0,04 — | 420 | 920 |
| 180 | 680 | + 0,07 — | + 0,05 — | 430 | 930 |
| 190 | 690 | + 0,06 — | + 0,06 — | 440 | 940 |
| 200 | 700 | + 0,06 — | + 0,06 — | 450 | 950 |
| 210 | 710 | + 0,05 — | + 0,07 — | 460 | 960 |
| 220 | 720 | + 0,04 — | + 0,08 — | 470 | 970 |
| 230 | 730 | + 0,03 — | + 0,08 — | 480 | 980 |
| 240 | 740 | + 0,02 — | + 0,08 — | 490 | 990 |
| 250 | 750 | + 0,01 — | + 0,09 — | 500 | 1000 |

# Tabulae X. Sectio quinta.

*Adscensiones rectae et Declinationes mediae et apparentes*
*Stellarum* 36 *fundamentalium atque* $\alpha$ *et* $\delta$
*Ursae minoris,*

ab Anno 1830 usque ad Annum 1850.

## Tabulae X. Sect. V. γ *Pegasi.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 0 4 29,480 | +14 14 15,50 | 1840 | Jan. 1 | 0 5 0,463 | +14 17 39,22 |
| | Apr. 10 | 29,382 | 14,87 | | Apr. 10 | 0,555 | 39,76 |
| | Jul. 19 | 29,285 | 14,27 | | Jul. 19 | 0,643 | 40,28 |
| | Oct. 27 | 29,190 | 13,69 | | Oct. 27 | 0,728 | 40,78 |
| | Dec. 66 | 29,096 | 13,13 | | Dec. 66 | 0,810 | 41,26 |
| 1831 | Jan. 0 | 0 4 32,206 | +14 14 33,34 | 1841 | Jan. 0 | 0 5 3,864 | +14 18 1,15 |
| | Apr. 10 | 32,115 | 32,80 | | Apr. 10 | 3,943 | 1,57 |
| | Jul. 19 | 32,028 | 32,30 | | Jul. 19 | 4,017 | 1,97 |
| | Oct. 27 | 31,946 | 31,83 | | Oct. 27 | 4,086 | 2,34 |
| | Dec. 66 | 31,868 | 31,40 | | Dec. 66 | 4,149 | 2,65 |
| 1832 | Jan. 1 | 0 4 34,973 | +14 14 51,57 | 1842 | Jan. 0 | 0 5 7,209 | +14 18 22,57 |
| | Apr. 10 | 34,899 | 51,17 | | Apr. 10 | 7,268 | 22,86 |
| | Jul. 19 | 34,832 | 50,82 | | Jul. 19 | 7,319 | 23,09 |
| | Oct. 27 | 34,772 | 50,52 | | Oct. 27 | 7,363 | 23,27 |
| | Dec. 66 | 34,719 | 50,28 | | Dec. 66 | 7,399 | 23,40 |
| 1833 | Jan. 0 | 0 4 37,815 | +14 15 10,38 | 1843 | Jan. 0 | 0 5 10,468 | +14 18 43,39 |
| | Apr. 10 | 37,767 | 10,17 | | Apr. 10 | 10,499 | 43,48 |
| | Jul. 19 | 37,728 | 10,02 | | Jul. 19 | 10,521 | 43,52 |
| | Oct. 27 | 37,697 | 9,93 | | Oct. 27 | 10,535 | 43,50 |
| | Dec. 66 | 37,675 | 9,89 | | Dec. 66 | 10,540 | 43,42 |
| 1834 | Jan. 0 | 0 4 40,761 | +14 15 29,92 | 1844 | Jan. 1 | 0 5 13,620 | +14 19 3,48 |
| | Apr. 10 | 40,744 | 29,92 | | Apr. 10 | 13,619 | 3,36 |
| | Jul. 19 | 40,736 | 29,97 | | Jul. 19 | 13,609 | 3,19 |
| | Oct. 27 | 40,737 | 30,09 | | Oct. 27 | 13,590 | 2,96 |
| | Dec. 66 | 40,747 | 30,26 | | Dec. 66 | 13,563 | 2,68 |
| 1835 | Jan. 0 | 0 4 43,823 | +14 15 50,22 | 1845 | Jan. 0 | 0 5 16,654 | +14 19 22,81 |
| | Apr. 10 | 43,839 | 50,42 | | Apr. 10 | 16,620 | 22,49 |
| | Jul. 19 | 43,863 | 50,67 | | Jul. 19 | 16,578 | 22,13 |
| | Oct. 27 | 43,894 | 50,97 | | Oct. 27 | 16,528 | 21,72 |
| | Dec. 66 | 43,933 | 51,32 | | Dec. 66 | 16,471 | 21,27 |
| 1836 | Jan. 1 | 0 4 46,999 | +14 16 11,23 | 1846 | Jan. 0 | 0 5 19,572 | +14 19 41,45 |
| | Apr. 10 | 47,044 | 11,61 | | Apr. 10 | 19,509 | 40,97 |
| | Jul. 19 | 47,096 | 12,03 | | Jul. 19 | 19,440 | 40,46 |
| | Oct. 27 | 47,155 | 12,48 | | Oct. 27 | 19,365 | 39,91 |
| | Dec. 66 | 47,220 | 12,97 | | Dec. 66 | 19,284 | 39,33 |
| 1837 | Jan. 0 | 0 4 50,277 | +14 16 32,83 | 1847 | Jan. 0 | 0 5 22,393 | +14 19 59,55 |
| | Apr. 10 | 50,347 | 33,35 | | Apr. 10 | 22,308 | 58,96 |
| | Jul. 19 | 50,421 | 33,88 | | Jul. 19 | 22,219 | 58,35 |
| | Oct. 27 | 50,500 | 34,44 | | Oct. 27 | 22,127 | 57,73 |
| | Dec. 66 | 50,583 | 35,01 | | Dec. 66 | 22,032 | 57,10 |
| 1838 | Jan. 0 | 0 4 53,635 | +14 16 54,84 | 1848 | Jan. 1 | 0 5 25,145 | +14 20 17,34 |
| | Apr. 10 | 53,721 | 55,43 | | Apr. 10 | 25,048 | 16,71 |
| | Jul. 19 | 53,809 | 56,02 | | Jul. 19 | 24,951 | 16,08 |
| | Oct. 27 | 53,900 | 56,62 | | Oct. 27 | 24,853 | 15,46 |
| | Dec. 66 | 53,993 | 57,22 | | Dec. 66 | 24,755 | 14,85 |
| 1839 | Jan. 0 | 0 4 57,042 | +14 17 17,05 | 1849 | Jan. 0 | 0 5 27,869 | +14 20 35,08 |
| | Apr. 10 | 57,136 | 17,65 | | Apr. 10 | 27,772 | 34,48 |
| | Jul. 19 | 57,229 | 18,24 | | Jul. 19 | 27,678 | 33,91 |
| | Oct. 27 | 57,322 | 18,82 | | Oct. 27 | 27,586 | 33,37 |
| | Dec. 66 | 57,414 | 19,38 | | Dec. 66 | 27,497 | 32,85 |

## Tabulae X. Sect. V. γ *Pegasi.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,146 | −11,3 | + 3,81 | − 7,6 | +3 | +2 |
| 10 | −0,259 | −11,0 | + 2,99 | − 8,8 | +3 | +2 |
| 20 | −0,366 | −10,3 | + 2,05 | − 9,8 | +3 | +2 |
| 30 | −0,464 | − 9,1 | + 1,04 | −10,2 | +2 | +2 |
| Febr. 9 | −0,547 | − 7,3 | + 0,01 | −10,2 | +2 | +2 |
| 19 | −0,609 | − 6,0 | − 1,00 | − 9,7 | +2 | +2 |
| Mart. 1 | −0,646 | − 2,1 | − 1,93 | − 8,7 | +1 | +2 |
| 11 | −0,651 | + 1,3 | − 2,73 | − 7,1 | 0 | +2 |
| 21 | −0,621 | + 5,0 | − 3,34 | − 5,0 | 0 | +1 |
| 31 | −0,551 | + 9,1 | − 3,73 | − 2,0 | −1 | +1 |
| Apr. 10 | −0,440 | +13,2 | − 3,84 | + 0,4 | −1 | +1 |
| 20 | −0,287 | +17,4 | − 3,65 | + 3,5 | −2 | 0 |
| 30 | −0,093 | +21,3 | − 3,14 | + 6,7 | −2 | 0 |
| Maj. 10 | +0,138 | +24,8 | − 2,32 | + 9,8 | −2 | −1 |
| 20 | +0,402 | +27,7 | − 1,19 | +12,8 | −2 | −1 |
| 30 | +0,692 | +30,0 | + 0,23 | +15,4 | −2 | −1 |
| Jun. 9 | +1,002 | +31,5 | + 1,89 | +17,7 | −3 | −2 |
| 19 | +1,322 | +32,2 | + 3,76 | +19,5 | −2 | −2 |
| 29 | +1,645 | +32,0 | + 5,78 | +20,7 | −2 | −2 |
| Jul. 9 | +1,962 | +31,0 | + 7,90 | +21,5 | −2 | −2 |
| 19 | +2,264 | +29,2 | +10,08 | +21,7 | −2 | −2 |
| 29 | +2,545 | +26,8 | +12,24 | +21,3 | −2 | −2 |
| Aug. 8 | +2,799 | +23,7 | +14,34 | +20,5 | −1 | −2 |
| 18 | +3,019 | +20,2 | +16,34 | +19,3 | −1 | −2 |
| 28 | +3,203 | +16,5 | +18,20 | +17,7 | 0 | −2 |
| Sept. 7 | +3,348 | +12,6 | +19,88 | +15,8 | 0 | −2 |
| 17 | +3,455 | + 8,9 | +21,36 | +13,2 | +1 | −1 |
| 27 | +3,525 | + 5,2 | +22,62 | +11,1 | +1 | −1 |
| Oct. 7 | +3,559 | + 1,8 | +23,67 | + 9,3 | +2 | −1 |
| 17 | +3,561 | − 1,3 | +24,48 | + 7,1 | +2 | 0 |
| 27 | +3,534 | − 3,9 | +25,08 | + 4,9 | +3 | 0 |
| Nov. 6 | +3,483 | − 6,1 | +25,45 | + 2,6 | +3 | 0 |
| 16 | +3,413 | − 7,9 | +25,60 | + 0,6 | +4 | +1 |
| 26 | +3,326 | − 9,3 | +25,56 | − 1,5 | +4 | +1 |
| Dec. 6 | +3,227 | −10,4 | +25,31 | − 3,4 | +4 | +1 |
| 16 | +3,118 | −11,1 | +24,89 | − 5,1 | +4 | +1 |
| 26 | +3,006 | −11,3 | +24,29 | − 6,8 | +4 | +2 |
| 36 | +2,892 | −11,4 | +23,54 | − 8,2 | +4 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 0 4 29,4552 | +14 14 16,497 |
| 1831 | 4 32,5347 | 14 36,524 |
| 1832 | 4 35,6143 | 14 56,551 |
| 1833 | 4 38,6940 | 15 16,578 |
| 1834 | 4 41,7738 | 15 36,605 |
| 1835 | 4 44,8538 | 15 56,631 |
| 1836 | 4 47,9338 | 16 16,658 |
| 1837 | 4 51,0139 | 16 36,684 |
| 1838 | 4 54,0941 | 16 56,710 |
| 1839 | 4 57,1744 | 17 16,736 |
| 1840 | 5 0,2549 | 17 36,762 |
| 1841 | 5 3,3354 | 17 56,788 |
| 1842 | 5 6,4160 | 18 16,813 |
| 1843 | 5 9,4967 | 18 36,839 |
| 1844 | 5 12,5775 | 18 56,864 |
| 1845 | 5 15,6584 | 19 16,889 |
| 1846 | 5 18,7394 | 19 36,914 |
| 1847 | 5 21,8205 | 19 56,939 |
| 1848 | 5 24,9017 | 20 16,964 |
| 1849 | 5 27,9830 | 20 36,989 |
| 1850 | 5 31,0643 | 20 57,013 |

Diei reducto addendum est:

ante } Mart. 21 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Arietis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 1 57 36,484 | +22 39 10,56 | 1840 | Jan. 1 | 1 58 10,168 | +22 42 14,93 |
| | Apr. 10 | 36,376 | 10,09 | | Apr. 10 | 10,269 | 15,26 |
| | Jul. 19 | 36,269 | 9,67 | | Jul. 19 | 10,367 | 15,54 |
| | Oct. 27 | 36,164 | 9,30 | | Oct. 27 | 10,462 | 15,77 |
| | Dec. 66 | 36,061 | 8,99 | | Dec. 66 | 10,554 | 15,94 |
| 1831 | Jan. 0 | 1 57 39,453 | +22 39 26,41 | 1841 | Jan. 0 | 1 58 13,884 | +22 42 33,19 |
| | Apr. 10 | 39,350 | 26,13 | | Apr. 10 | 13,973 | 33,31 |
| | Jul. 19 | 39,253 | 25,92 | | Jul. 19 | 14,057 | 33,38 |
| | Oct. 27 | 39,160 | 25,77 | | Oct. 27 | 14,135 | 33,39 |
| | Dec. 66 | 39,073 | 25,69 | | Dec. 66 | 14,207 | 33,33 |
| 1832 | Jan. 1 | 1 57 42,460 | +22 39 43,03 | 1842 | Jan. 0 | 1 58 17,544 | +22 42 50,66 |
| | Apr. 10 | 42,376 | 42,99 | | Apr. 10 | 17,611 | 50,56 |
| | Jul. 19 | 42,299 | 43,01 | | Jul. 19 | 17,671 | 50,41 |
| | Oct. 27 | 42,230 | 43,09 | | Oct. 27 | 17,723 | 50,20 |
| | Dec. 66 | 42,168 | 43,23 | | Dec. 66 | 17,768 | 49,94 |
| 1833 | Jan. 0 | 1 57 45,546 | +22 40 0,50 | 1843 | Jan. 0 | 1 58 21,114 | +22 43 7,33 |
| | Apr. 10 | 45,490 | 0,69 | | Apr. 10 | 21,152 | 7,03 |
| | Jul. 19 | 45,442 | 0,93 | | Jul. 19 | 21,181 | 6,67 |
| | Oct. 27 | 45,404 | 1,23 | | Oct. 27 | 21,201 | 6,26 |
| | Dec. 66 | 45,374 | 1,59 | | Dec. 66 | 21,211 | 5,79 |
| 1834 | Jan. 0 | 1 57 48,741 | +22 40 18,78 | 1844 | Jan. 1 | 1 58 24,568 | +22 43 23,24 |
| | Apr. 10 | 48,718 | 19,17 | | Apr. 10 | 24,572 | 22,75 |
| | Jul. 19 | 48,704 | 19,61 | | Jul. 19 | 24,566 | 22,22 |
| | Oct. 27 | 48,700 | 20,09 | | Oct. 27 | 24,550 | 21,65 |
| | Dec. 66 | 48,706 | 20,62 | | Dec. 66 | 24,525 | 21,05 |
| 1835 | Jan. 0 | 1 57 52,061 | +22 40 37,76 | 1845 | Jan. 0 | 1 58 27,895 | +22 43 38,55 |
| | Apr. 10 | 52,074 | 38,31 | | Apr. 10 | 27,862 | 37,92 |
| | Jul. 19 | 52,095 | 38,88 | | Jul. 19 | 27,821 | 37,28 |
| | Oct. 27 | 52,125 | 39,49 | | Oct. 27 | 27,771 | 36,62 |
| | Dec. 66 | 52,164 | 40,12 | | Dec. 66 | 27,712 | 35,94 |
| 1836 | Jan. 1 | 1 57 55,509 | +22 40 57,22 | 1846 | Jan. 0 | 1 58 31,093 | +22 43 53,46 |
| | Apr. 10 | 55,554 | 57,86 | | Apr. 10 | 31,028 | 52,77 |
| | Jul. 19 | 55,607 | 58,51 | | Jul. 19 | 30,956 | 52,09 |
| | Oct. 27 | 55,667 | 59,17 | | Oct. 27 | 30,877 | 51,42 |
| | Dec. 66 | 55,735 | 59,83 | | Dec. 66 | 30,790 | 50,76 |
| 1837 | Jan. 0 | 1 57 59,071 | +22 41 16,92 | 1847 | Jan. 0 | 1 58 34,181 | +22 44 8,25 |
| | Apr. 10 | 59,144 | 17,59 | | Apr. 10 | 34,091 | 7,58 |
| | Jul. 19 | 59,222 | 18,24 | | Jul. 19 | 33,996 | 6,94 |
| | Oct. 27 | 59,305 | 18,88 | | Oct. 27 | 33,897 | 6,34 |
| | Dec. 66 | 59,394 | 19,50 | | Dec. 66 | 33,794 | 5,78 |
| 1838 | Jan. 0 | 1 58 2,723 | +22 41 36,60 | 1848 | Jan. 1 | 1 58 37,190 | +22 44 23,26 |
| | Apr. 10 | 2,816 | 37,22 | | Apr. 10 | 37,085 | 22,66 |
| | Jul. 19 | 2,911 | 37,80 | | Jul. 19 | 36,979 | 22,12 |
| | Oct. 27 | 3,009 | 38,35 | | Oct. 27 | 36,872 | 21,64 |
| | Dec. 66 | 3,109 | 38,87 | | Dec. 66 | 36,763 | 21,21 |
| 1839 | Jan. 0 | 1 58 6,435 | +22 41 56,01 | 1849 | Jan. 0 | 1 58 40,161 | +22 44 38,63 |
| | Apr. 10 | 6,537 | 56,51 | | Apr. 10 | 40,054 | 38,23 |
| | Jul. 19 | 6,639 | 56,97 | | Jul. 19 | 39,950 | 37,89 |
| | Oct. 27 | 6,741 | 57,38 | | Oct. 27 | 39,848 | 37,61 |
| | Dec. 66 | 6,842 | 57,74 | | Dec. 66 | 39,749 | 37,38 |

## Tabulae X. Sect. V. *α Arietis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,559 | −10,5 | + 5,93 | − 2,2 | +4 | +1 |
| 10 | +0,444 | −12,4 | + 5,62 | − 3,9 | +4 | +1 |
| 20 | +0,311 | −13,9 | + 5,15 | − 5,5 | +4 | +1 |
| 30 | +0,167 | −14,7 | + 4,52 | − 7,0 | +4 | +2 |
| Febr. 9 | +0,018 | −14,7 | + 3,76 | − 8,1 | +3 | +2 |
| 19 | −0,127 | −13,9 | + 2,90 | − 8,9 | +3 | +2 |
| Mart. 1 | −0,259 | −12,2 | + 1,98 | − 9,3 | +3 | +2 |
| 11 | −0,371 | − 9,7 | + 1,05 | − 9,2 | +2 | +2 |
| 21 | −0,452 | − 6,3 | + 0,15 | − 8,6 | +2 | +2 |
| 31 | −0,497 | − 2,3 | − 0,66 | − 7,4 | +1 | +2 |
| Apr. 10 | −0,498 | + 2,2 | − 1,33 | − 5,8 | 0 | +2 |
| 20 | −0,453 | + 7,0 | − 1,81 | − 3,7 | 0 | +1 |
| 30 | −0,358 | +12,0 | − 2,07 | − 1,3 | −1 | +1 |
| Maj. 10 | −0,214 | +16,7 | − 2,07 | + 1,4 | −1 | 0 |
| 20 | −0,025 | +21,1 | − 1,80 | + 4,1 | −1 | 0 |
| 30 | +0,208 | +25,1 | − 1,25 | + 6,9 | −2 | −1 |
| Jun. 9 | +0,476 | +28,3 | − 0,42 | + 9,6 | −2 | −1 |
| 19 | +0,773 | +30,8 | + 0,66 | +12,0 | −2 | −2 |
| 29 | +1,091 | +32,4 | + 1,97 | +14,1 | −2 | −2 |
| Jul. 9 | +1,421 | +33,2 | + 3,47 | +15,8 | −2 | −2 |
| 19 | +1,755 | +33,2 | + 5,13 | +17,1 | −2 | −3 |
| 29 | +2,085 | +32,5 | + 6,88 | +17,9 | −2 | −3 |
| Aug. 8 | +2,404 | +31,1 | + 8,70 | +18,3 | −2 | −4 |
| 18 | +2,706 | +29,0 | +10,53 | +18,2 | −2 | −4 |
| 28 | +2,984 | +26,5 | +12,33 | +17,6 | −1 | −4 |
| Sept. 7 | +3,236 | +23,8 | +14,05 | +16,8 | −1 | −4 |
| 17 | +3,459 | +20,7 | +15,69 | +15,7 | 0 | −4 |
| 27 | +3,650 | +17,5 | +17,19 | +14,3 | 0 | −4 |
| Oct. 7 | +3,809 | +14,3 | +18,55 | +12,8 | +1 | −4 |
| 17 | +3,936 | +11,2 | +19,75 | +11,2 | +2 | −4 |
| 27 | +4,032 | + 8,0 | +20,78 | + 9,5 | +2 | −4 |
| Nov. 6 | +4,096 | + 5,0 | +21,64 | + 7,8 | +3 | −4 |
| 16 | +4,131 | + 2,0 | +22,33 | + 6,0 | +4 | −3 |
| 26 | +4,135 | − 1,0 | +22,84 | + 4,3 | +4 | −3 |
| Dec. 6 | +4,111 | − 3,9 | +23,18 | + 2,5 | +5 | −3 |
| 16 | +4,058 | − 6,6 | +23,34 | + 0,7 | +5 | −2 |
| 26 | +3,980 | − 9,0 | +23,32 | − 1,1 | +5 | −2 |
| 36 | +3,878 | −11,3 | +23,13 | − 2,8 | +6 | −2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 1 57 36,4043 | +22 39 15,697 |
| 1831 | 57 39,7620 | 39 33,021 |
| 1832 | 57 43,1199 | 39 50,344 |
| 1833 | 57 46,4780 | 40 7,663 |
| 1834 | 57 49,8363 | 40 24,981 |
| 1835 | 57 53,1945 | 40 42,295 |
| 1836 | 57 56,5532 | 40 59,608 |
| 1837 | 57 59,9121 | 41 16,918 |
| 1838 | 58 3,2712 | 41 34,226 |
| 1839 | 58 6,6305 | 41 51,531 |
| 1840 | 58 9,9898 | 42 8,834 |
| 1841 | 58 13,3495 | 42 26,134 |
| 1842 | 58 16,7094 | 42 43,433 |
| 1843 | 58 20,0695 | 43 0,728 |
| 1844 | 58 23,4298 | 43 18,022 |
| 1845 | 58 26,7901 | 43 35,312 |
| 1846 | 58 30,1508 | 43 52,601 |
| 1847 | 58 33,5117 | 44 9,887 |
| 1848 | 58 36,8728 | 44 27,171 |
| 1849 | 58 40.2341 | 44 44,452 |
| 1850 | 58 43,5955 | 45 1,731 |

Diei reducto addendum est:

ante } Apr. 21 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Ceti.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 2 53 23,927 | + 3 24 55,64 | 1840 | Jan. 1 | 2 53 55,603 | + 3 27 34,25 |
| | Apr. 10 | 23,829 | 55,29 | | Apr. 10 | 55,691 | 34,44 |
| | Jul. 19 | 23,734 | 55,00 | | Jul. 19 | 55,776 | 34,56 |
| | Oct. 27 | 23,641 | 54,77 | | Oct. 27 | 55,856 | 34,63 |
| | Dec. 66 | 23,551 | 54,61 | | Dec. 66 | 55,932 | 34,63 |
| 1831 | Jan. 0 | 2 53 26,705 | + 3 25 9,12 | 1841 | Jan. 0 | 2 53 59,032 | + 3 27 49,06 |
| | Apr. 10 | 26,618 | 9,01 | | Apr. 10 | 59,105 | 49,02 |
| | Jul. 19 | 26,536 | 8,96 | | Jul. 19 | 59,171 | 48,91 |
| | Oct. 27 | 26,460 | 8,99 | | Oct. 27 | 59,231 | 48,75 |
| | Dec. 66 | 26,390 | 9,08 | | Dec. 66 | 59,285 | 48,52 |
| 1832 | Jan. 1 | 2 53 29,536 | + 3 25 23,49 | 1842 | Jan. 0 | 2 54 2,393 | + 3 28 3,01 |
| | Apr. 10 | 29,470 | 23,63 | | Apr. 10 | 2,442 | 2,73 |
| | Jul. 19 | 29,412 | 23,84 | | Jul. 19 | 2,483 | 2,40 |
| | Oct. 27 | 29,362 | 24,11 | | Oct. 27 | 2,516 | 2,01 |
| | Dec. 66 | 29,319 | 24,44 | | Dec. 66 | 2,542 | 1,57 |
| 1833 | Jan. 0 | 2 53 32,456 | + 3 25 38,77 | 1843 | Jan. 0 | 2 54 5,659 | + 3 28 16,14 |
| | Apr. 10 | 32,419 | 39,14 | | Apr. 10 | 5,679 | 15,66 |
| | Jul. 19 | 32,390 | 39,56 | | Jul. 19 | 5,690 | 15,14 |
| | Oct. 27 | 32,370 | 40,04 | | Oct. 27 | 5,692 | 14,57 |
| | Dec. 66 | 32,359 | 40,57 | | Dec. 66 | 5,685 | 13,95 |
| 1834 | Jan. 0 | 2 53 35,486 | + 3 25 54,84 | 1844 | Jan. 1 | 2 54 8,813 | + 3 28 28,58 |
| | Apr. 10 | 35,481 | 55,40 | | Apr. 10 | 8,800 | 27,94 |
| | Jul. 19 | 35,484 | 55,99 | | Jul. 19 | 8,779 | 27,28 |
| | Oct. 27 | 35,497 | 56,62 | | Oct. 27 | 8,749 | 26,59 |
| | Dec. 66 | 35,518 | 57,28 | | Dec. 66 | 8,710 | 25,88 |
| 1835 | Jan. 0 | 2 53 38,634 | + 3 26 11,50 | 1845 | Jan. 0 | 2 54 11,849 | + 3 28 40,53 |
| | Apr. 10 | 38,661 | 12,17 | | Apr. 10 | 11,804 | 39,81 |
| | Jul. 19 | 38,696 | 12,86 | | Jul. 19 | 11,752 | 39,08 |
| | Oct. 27 | 38,739 | 13,57 | | Oct. 27 | 11,792 | 38,35 |
| | Dec. 66 | 38,789 | 14,29 | | Dec. 66 | 11,625 | 37,62 |
| 1836 | Jan. 1 | 2 53 41,895 | + 3 26 28,49 | 1846 | Jan. 0 | 2 54 14,774 | + 3 28 52,27 |
| | Apr. 10 | 41,951 | 29,21 | | Apr. 10 | 14,702 | 51,54 |
| | Jul. 19 | 42,012 | 29,92 | | Jul. 19 | 14,625 | 50,84 |
| | Oct. 27 | 42,080 | 30,62 | | Oct. 27 | 14,542 | 50,15 |
| | Dec. 66 | 42,153 | 31,31 | | Dec. 66 | 14,454 | 49,49 |
| 1837 | Jan. 0 | 2 53 45,252 | + 3 26 45,52 | 1847 | Jan. 0 | 2 54 17,609 | + 3 29 4,12 |
| | Apr. 10 | 45,329 | 46,20 | | Apr. 10 | 17,518 | 3,47 |
| | Jul. 19 | 45,410 | 46,85 | | Jul. 19 | 17,425 | 2,87 |
| | Oct. 27 | 45,495 | 47,47 | | Oct. 27 | 17,330 | 2,31 |
| | Dec. 66 | 45,583 | 48,07 | | Dec. 66 | 17,232 | 1,80 |
| 1838 | Jan. 0 | 2 53 48,678 | + 3 27 2,31 | 1848 | Jan. 1 | 2 54 20,390 | + 3 29 16,37 |
| | Apr. 10 | 48,768 | 2,88 | | Apr. 10 | 20,291 | 15,89 |
| | Jul. 19 | 48,860 | 3,41 | | Jul. 19 | 20,193 | 15,46 |
| | Oct. 27 | 48,953 | 3,89 | | Oct. 27 | 20,096 | 15,10 |
| | Dec. 66 | 49,047 | 4,33 | | Dec. 66 | 19,999 | 14,79 |
| 1839 | Jan. 0 | 2 53 52,140 | + 3 27 18,62 | 1849 | Jan. 0 | 2 54 23,157 | + 3 29 29,29 |
| | Apr. 10 | 52,234 | 19,02 | | Apr. 10 | 23,062 | 29,03 |
| | Jul. 19 | 52,327 | 19,37 | | Jul. 19 | 22,971 | 28,83 |
| | Oct. 27 | 52,418 | 19,66 | | Oct. 27 | 22,883 | 28,71 |
| | Dec. 66 | 52,508 | 19,89 | | Dec. 66 | 22,799 | 28,65 |

## Tabulae X. Sect. V. *α Ceti.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,795 | − 7,1 | − 0,58 | − 7,3 | +3 | +1 | 1830 | 2 53 24,0302 | + 3 25 2,419 |
| 10 | +0,710 | − 9,7 | − 1,29 | − 6,8 | +3 | +1 | 1831 | 53 27,1539 | 25 16,877 |
| 20 | +0,601 | −12,0 | − 1,94 | − 6,1 | +3 | +1 | 1832 | 53 30,2777 | 25 31,331 |
| 30 | +0,471 | −13,7 | − 2,51 | − 5,3 | +3 | +1 | 1833 | 53 33,4016 | 25 45,782 |
| Febr. 9 | +0,328 | −14,7 | − 3,00 | − 4,4 | +3 | +1 | 1834 | 53 36,5256 | 26 0,230 |
| | | | | | | | 1835 | 53 39,6498 | 26 14,675 |
| 19 | +0,178 | −14,9 | − 3,38 | − 3,2 | +3 | +1 | 1836 | 53 42,7740 | 26 29,117 |
| Mart. 1 | +0,031 | −14,2 | − 3,64 | − 2,0 | +3 | +1 | 1837 | 53 45,8983 | 26 43,555 |
| 11 | −0,106 | −12,7 | − 3,77 | − 0,6 | +2 | +1 | 1838 | 53 49,0227 | 26 57,991 |
| 21 | −0,223 | −10,3 | − 3,75 | + 1,1 | +2 | +1 | 1839 | 53 52,1472 | 27 12,423 |
| 31 | −0,312 | − 7,2 | − 3,56 | + 2,9 | +2 | 0 | 1840 | 53 55,2719 | 27 26,852 |
| | | | | | | | 1841 | 53 58,3966 | 27 41,278 |
| Apr. 10 | −0,366 | − 3,4 | − 3,18 | + 4,9 | +1 | 0 | 1842 | 54 1,5214 | 27 55,700 |
| 20 | −0,380 | + 0,9 | − 2,59 | + 6,9 | +1 | 0 | 1843 | 54 4,6463 | 28 10,120 |
| 30 | −0,349 | + 5,4 | − 1,81 | + 8,9 | 0 | −1 | 1844 | 54 7,7713 | 28 24,536 |
| Maj. 10 | −0,272 | +10,0 | − 0,81 | +11,0 | 0 | −1 | 1845 | 54 10,8964 | 28 38,950 |
| 20 | −0,150 | +14,4 | + 0,38 | +12,9 | −1 | −1 | 1846 | 54 14,0216 | 28 53,360 |
| | | | | | | | 1847 | 54 17,1469 | 29 7,766 |
| 30 | +0,016 | +18,5 | + 1,76 | +14,6 | −1 | −2 | 1848 | 54 20,2723 | 29 22,170 |
| Jun. 9 | +0,220 | +22,2 | + 3,30 | +16,0 | −1 | −2 | 1849 | 54 23,3978 | 29 36,571 |
| 19 | +0,460 | +25,3 | + 4,95 | +17,0 | −2 | −2 | 1850 | 54 26,5233 | 29 50,968 |
| 29 | +0,726 | +27,7 | + 6,69 | +17,6 | −2 | −3 | | | |
| Jul. 9 | +1,013 | +29,4 | + 8,47 | +17,7 | −2 | −3 | | | |
| 19 | +1,313 | +30,3 | +10,22 | +17,3 | −2 | −3 | | | |
| 29 | +1,618 | +30,5 | +11,92 | +16,4 | −2 | −3 | | | |
| Aug. 8 | +1,923 | +30,0 | +13,49 | +14,9 | −2 | −3 | | | |
| 18 | +2,219 | +29,2 | +14,90 | +13,1 | −2 | −3 | | | |
| 28 | +2,502 | +27,5 | +16,11 | +11,0 | −2 | −3 | | | |
| Sept. 7 | +2,768 | +25,6 | +17,10 | + 8,5 | −2 | −3 | | | |
| 17 | +3,013 | +23,3 | +17,81 | + 5,9 | −1 | −3 | | | |
| 27 | +3,234 | +20,8 | +18,28 | + 3,4 | −1 | −3 | | | |
| Oct. 7 | +3,429 | +18,2 | +18,49 | + 1,0 | −1 | −3 | | | |
| 17 | +3,597 | +15,4 | +18,47 | − 1,3 | 0 | −3 | | | |
| 27 | +3,737 | +12,6 | +18,23 | − 3,4 | 0 | −3 | | | |
| Nov. 6 | +3,849 | + 9,7 | +17,80 | − 5,0 | +1 | −3 | | | |
| 16 | +3,931 | + 6,8 | +17,24 | − 6,2 | +2 | −3 | | | |
| 26 | +3,984 | + 3,8 | +16,57 | − 7,1 | +2 | −3 | | | |
| Dec. 6 | +4,006 | + 0,7 | +15,83 | − 7,5 | +3 | −2 | | | |
| 16 | +3,998 | − 2,4 | +15,07 | − 7,7 | +3 | −2 | | | |
| 26 | +3,959 | − 5,4 | +14,30 | − 7,5 | +3 | −2 | | | |
| 36 | +3,891 | − 8,1 | +13,57 | − 7,1 | +4 | −2 | | | |

Diei reducto addendum est:

ante } Maj. 6 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Tauri.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | h 4 26′ 10″,343 | +16° 9′ 26″,92 | 1840 | Jan. 1 | h 4 26′ 45″,050 | +16° 11′ 1″,94 |
| | Apr. 10 | 10,235 | 26,80 | | Apr. 10 | 45,148 | 1,87 |
| | Jul. 19 | 10,129 | 26,76 | | Jul. 19 | 45,242 | 1,74 |
| | Oct. 27 | 10,027 | 26,80 | | Oct. 27 | 45,332 | 1,53 |
| | Dec. 66 | 9,927 | 26,91 | | Dec. 66 | 45,417 | 1,26 |
| 1831 | Jan. 0 | 4 26 13,390 | +16 9 34,67 | 1841 | Jan. 0 | 4 26 48,821 | +16 11 9,13 |
| | Apr. 10 | 13,293 | 34,83 | | Apr. 10 | 48,903 | 8,81 |
| | Jul. 19 | 13,202 | 35,07 | | Jul. 19 | 48,979 | 8,43 |
| | Oct. 27 | 13,116 | 35,37 | | Oct. 27 | 49,048 | 7,99 |
| | Dec. 66 | 13,036 | 35,75 | | Dec. 66 | 49,110 | 7,48 |
| 1832 | Jan. 1 | 4 26 16,493 | +16 9 43,42 | 1842 | Jan. 0 | 4 26 52,521 | +16 11 15,41 |
| | Apr. 10 | 16,418 | 43,84 | | Apr. 10 | 52,579 | 14,87 |
| | Jul. 19 | 16,351 | 44,32 | | Jul. 19 | 52,627 | 14,29 |
| | Oct. 27 | 16,292 | 44,86 | | Oct. 27 | 52,667 | 13,65 |
| | Dec. 66 | 16,242 | 45,45 | | Dec. 66 | 52,698 | 12,97 |
| 1833 | Jan. 0 | 4 26 19,688 | +16 9 53,05 | 1843 | Jan. 0 | 4 26 56,120 | +16 11 20,96 |
| | Apr. 10 | 19,644 | 53,68 | | Apr. 10 | 56.145 | 20,25 |
| | Jul. 19 | 19,609 | 54,34 | | Jul. 19 | 56,161 | 19,52 |
| | Oct. 27 | 19,583 | 55,04 | | Oct. 27 | 56,167 | 18,76 |
| | Dec. 66 | 19,567 | 55,78 | | Dec. 66 | 56,163 | 17,98 |
| 1834 | Jan. 0 | 4 26 23,002 | +16 10 3,32 | 1844 | Jan. 1 | 4 26 59,597 | +16 11 25,99 |
| | Apr. 10 | 22,993 | 4,08 | | Apr. 10 | 59,587 | 25,20 |
| | Jul. 19 | 22,993 | 4,85 | | Jul. 19 | 59,567 | 24,40 |
| | Oct. 27 | 23,003 | 5,63 | | Oct. 27 | 59,537 | 23,60 |
| | Dec. 66 | 23,023 | 6,43 | | Dec. 66 | 59,498 | 22,80 |
| 1835 | Jan. 0 | 4 26 26,446 | +16 10 13,95 | 1845 | Jan. 0 | 4 27 2,944 | +16 11 30,81 |
| | Apr. 10 | 26,472 | 14,75 | | Apr. 10 | 2,898 | 30,02 |
| | Jul. 19 | 26,506 | 15,54 | | Jul. 19 | 2,844 | 29,25 |
| | Oct. 27 | 26,550 | 16,31 | | Oct. 27 | 2,782 | 28,50 |
| | Dec. 66 | 26,602 | 17,08 | | Dec. 66 | 2,711 | 27,77 |
| 1836 | Jan. 1 | 4 26 30,014 | +16 10 24,61 | 1846 | Jan. 0 | 4 27 6,167 | +16 11 35,75 |
| | Apr. 10 | 30,072 | 25,36 | | Apr. 10 | 6,091 | 35,04 |
| | Jul. 19 | 30,137 | 26,08 | | Jul. 19 | 6,009 | 34,40 |
| | Oct. 27 | 30,208 | 26,76 | | Oct. 27 | 5,921 | 33,79 |
| | Dec. 66 | 30,286 | 27,41 | | Dec. 66 | 5,826 | 33,23 |
| 1837 | Jan. 0 | 4 26 33,690 | +16 10 34,98 | 1847 | Jan. 0 | 4 27 9,290 | +16 11 41,15 |
| | Apr. 10 | 33,773 | 35,60 | | Apr. 10 | 9,192 | 40,63 |
| | Jul. 19 | 33,860 | 36,17 | | Jul. 19 | 9,091 | 40,17 |
| | Oct. 27 | 33,951 | 36,69 | | Oct. 27 | 8,987 | 39,78 |
| | Dec. 66 | 34,047 | 37,16 | | Dec. 66 | 8,880 | 39,45 |
| 1838 | Jan. 0 | 4 26 37,445 | +16 10 44,79 | 1848 | Jan. 1 | 4 27 12,348 | +16 11 47,28 |
| | Apr. 10 | 37,543 | 45,22 | | Apr. 10 | 12,240 | 47,00 |
| | Jul. 19 | 37,643 | 45,58 | | Jul. 19 | 12,133 | 46,80 |
| | Oct. 27 | 37,745 | 45,88 | | Oct. 27 | 12,026 | 46,67 |
| | Dec. 66 | 37,848 | 46,12 | | Dec. 66 | 11,919 | 46,61 |
| 1839 | Jan. 0 | 4 26 41,245 | +16 10 53,82 | 1849 | Jan. 0 | 4 27 15,387 | +16 11 54,34 |
| | Apr. 10 | 41,349 | 54,01 | | Apr. 10 | 15,282 | 54,34 |
| | Jul. 19 | 41,451 | 54,13 | | Jul. 19 | 15,180 | 54,41 |
| | Oct. 27 | 41,552 | 54,18 | | Oct. 27 | 15,082 | 54,56 |
| | Dec. 66 | 41,652 | 54,16 | | Dec. 66 | 14,987 | 54,78 |

## Tabulae X. Sect. V. *α Tauri.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,217 | — 0,3 | + 1,27 | — 2,4 | +2 | —1 | 1830 | 4 26 10,4154 | +16 9 35,498 |
| 10 | +1,194 | — 4,4 | + 1,02 | — 2,5 | +2 | —1 | 1831 | 26 13,8458 | 9 43,307 |
| 20 | +1,130 | — 8,2 | + 0,78 | — 2,4 | +3 | —1 | 1832 | 26 17,2763 | 9 51,110 |
| 30 | +1,030 | —11,6 | + 0,54 | — 2,5 | +3 | 0 | 1833 | 26 20,7069 | 9 58,910 |
| Febr. 9 | +0,898 | —14,4 | + 0,28 | — 2,6 | +3 | 0 | 1834 | 26 24,1376 | 10 6,705 |
| | | | | | | | 1835 | 26 27,5685 | 10 14,495 |
| 19 | +0,742 | —16,3 | + 0,02 | — 2,6 | +3 | 0 | 1836 | 26 30,9994 | 10 22,280 |
| Mart. 1 | +0,572 | —17,2 | — 0,24 | — 2,7 | +4 | 0 | 1837 | 26 34,4305 | 10 30,061 |
| 11 | +0,398 | —17,0 | — 0,51 | — 2,7 | +3 | 0 | 1838 | 26 37,8617 | 10 37,838 |
| 21 | +0,231 | —15,8 | — 0,77 | — 2,5 | +3 | 0 | 1839 | 26 41,2930 | 10 45,610 |
| 31 | +0,080 | —13,8 | — 1,00 | — 2,1 | +3 | 0 | 1840 | 26 44,7243 | 10 53,377 |
| | | | | | | | 1841 | 26 48,1558 | 11 1,140 |
| Apr. 10 | —0,044 | —10,7 | — 1,18 | — 1,4 | +3 | 0 | 1842 | 26 51,5874 | 11 8,898 |
| 20 | —0,133 | — 6,9 | — 1,28 | — 0,6 | +2 | 0 | 1843 | 26 55,0191 | 11 16,652 |
| 30 | —0,181 | — 2,6 | — 1,29 | + 0,5 | +2 | 0 | 1844 | 26 58,4509 | 11 24,401 |
| Maj. 10 | —0,184 | + 2,1 | — 1,19 | + 1,8 | +1 | 0 | 1845 | 27 1,8828 | 11 32,145 |
| 20 | —0,140 | + 6,8 | — 0,94 | + 3,2 | +1 | 0 | 1846 | 27 5,3148 | 11 39,885 |
| | | | | | | | 1847 | 27 8,7469 | 11 47,620 |
| 30 | —0,048 | +11,4 | — 0,56 | + 4,6 | 0 | 0 | 1848 | 27 12,1792 | 11 55,351 |
| Jun. 9 | +0,088 | +15,7 | — 0,02 | + 6,1 | 0 | —1 | 1849 | 27 15,6116 | 12 3,077 |
| 19 | +0,266 | +19,7 | + 0,65 | + 7,4 | —1 | —1 | 1850 | 27 19,0441 | 12 10,799 |
| 29 | +0 481 | +23,0 | + 1,45 | + 8,5 | —1 | —1 | | | |
| Jul. 9 | +0,726 | +25,8 | + 2,35 | + 9,4 | —2 | —2 | | | |
| 19 | +0,996 | +28,0 | + 3,32 | +10,0 | —2 | —2 | | | |
| 29 | +1,285 | +29,5 | + 4,34 | +10,2 | —2 | —3 | | | |
| Aug. 8 | +1,585 | +30,4 | + 5,36 | +10,0 | —2 | —3 | | | |
| 18 | +1,892 | +30,8 | + 6,34 | + 9,5 | —2 | —3 | | | |
| 28 | +2,200 | +30,6 | + 7,26 | + 8,7 | —2 | —4 | | | |
| Sept. 7 | +2,503 | +30,0 | + 8,07 | + 7,6 | —2 | —4 | | | |
| 17 | +2,800 | +29,1 | + 8,77 | + 6,3 | —2 | —4 | | | |
| 27 | +3,085 | +27,8 | + 9,32 | + 4,8 | —2 | —5 | | | |
| Oct. 7 | +3,356 | +26,3 | + 9,72 | + 3,3 | —2 | —5 | | | |
| 17 | +3,610 | +24,5 | + 9,98 | + 1,9 | —1 | —5 | | | |
| 27 | +3,845 | +22,5 | +10,10 | + 0,6 | —1 | —5 | | | |
| Nov. 6 | +4,056 | +19,9 | +10,10 | — 0,4 | 0 | —5 | | | |
| 16 | +4,240 | +17,0 | +10,02 | — 1,1 | 0 | —5 | | | |
| 26 | +4,395 | +13,8 | + 9,86 | — 1,8 | +1 | —6 | | | |
| Dec. 6 | +4,516 | +10,2 | + 9,66 | — 2,2 | +2 | —6 | | | |
| 16 | +4,599 | + 6,4 | + 9,42 | — 2,4 | +2 | —6 | | | |
| 26 | +4,643 | + 2,3 | + 9,18 | — 2,4 | +3 | —5 | | | |
| 36 | +4,645 | — 1,8 | + 8,94 | — 2,4 | +3 | —5 | | | |

Diei reducto addendum est:

ante } Maj. 29 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Aurigae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 5 4 8,561 | +45 48 44,68 | 1840 | Jan. 1 | 5 4 53,117 | +45 49 46,12 |
| | Apr. 10 | 8,422 | 44,67 | | Apr. 10 | 53,246 | 45,95 |
| | Jul. 19 | 8,285 | 44,73 | | Jul. 19 | 53,369 | 45,71 |
| | Oct. 27 | 8,151 | 44,88 | | Oct. 27 | 53,488 | 45,40 |
| | Dec. 66 | 8,020 | 45,10 | | Dec. 66 | 53,601 | 45,03 |
| 1831 | Jan. 0 | 5 4 12,478 | +45 48 49,43 | 1841 | Jan. 0 | 5 4 57,980 | +45 49 49,51 |
| | Apr. 10 | 12,351 | 49,70 | | Apr. 10 | 58,089 | 48,09 |
| | Jul. 19 | 12,230 | 50,04 | | Jul. 19 | 58,190 | 48,61 |
| | Oct. 27 | 12,117 | 50,45 | | Oct. 27 | 58,283 | 48,08 |
| | Dec. 66 | 12,010 | 50,93 | | Dec. 66 | 58,368 | 47,49 |
| 1832 | Jan. 1 | 5 4 16,459 | +45 48 55,17 | 1842 | Jan. 0 | 5 5 2,757 | +45 49 52,04 |
| | Apr. 10 | 16,358 | 55,69 | | Apr. 10 | 2,835 | 51,41 |
| | Jul. 19 | 16,268 | 56,26 | | Jul. 19 | 2,902 | 50,74 |
| | Oct. 27 | 16,188 | 56,88 | | Oct. 27 | 2,958 | 50,04 |
| | Dec. 66 | 16,118 | 57,56 | | Dec. 66 | 3,004 | 49,30 |
| 1833 | Jan. 0 | 5 4 20,555 | +45 49 1,73 | 1843 | Jan. 0 | 5 5 7,408 | +45 49 53,89 |
| | Apr. 10 | 20,493 | 2,43 | | Apr. 10 | 7,446 | 53,12 |
| | Jul. 19 | 20,443 | 3,16 | | Jul. 19 | 7,471 | 52,33 |
| | Oct. 27 | 20,405 | 3,92 | | Oct. 27 | 7,484 | 51,53 |
| | Dec. 66 | 20,379 | 4,72 | | Dec. 66 | 7,484 | 50,71 |
| 1834 | Jan. 0 | 5 4 24,802 | +45 49 8,85 | 1844 | Jan. 1 | 5 5 11,903 | +45 49 55,32 |
| | Apr. 10 | 24,784 | 9,65 | | Apr. 10 | 11,895 | 54,50 |
| | Jul. 19 | 24,779 | 10,46 | | Jul. 19 | 11,874 | 53,68 |
| | Oct. 27 | 24,787 | 11,27 | | Oct. 27 | 11,841 | 52,88 |
| | Dec. 66 | 24,806 | 12,09 | | Dec. 66 | 11,795 | 52,08 |
| 1835 | Jan. 0 | 5 4 29,214 | +45 49 16,20 | 1845 | Jan. 0 | 5 5 16,229 | +45 49 56,67 |
| | Apr. 10 | 29,242 | 17,01 | | Apr. 10 | 16,175 | 55,88 |
| | Jul. 19 | 29,281 | 17,80 | | Jul. 19 | 16,110 | 55,13 |
| | Oct. 27 | 29,332 | 18,57 | | Oct. 27 | 16,034 | 54,41 |
| | Dec. 66 | 29,395 | 19,32 | | Dec. 66 | 15,947 | 53,73 |
| 1836 | Jan. 1 | 5 4 33,788 | +45 49 23,46 | 1846 | Jan. 0 | 5 5 20,395 | +45 49 58,27 |
| | Apr. 10 | 33,859 | 24,19 | | Apr. 10 | 20,301 | 57,62 |
| | Jul. 19 | 33,937 | 24,87 | | Jul. 19 | 20,198 | 57,02 |
| | Oct. 27 | 34,025 | 25,52 | | Oct. 27 | 20,087 | 56,47 |
| | Dec. 66 | 34,122 | 26,12 | | Dec. 66 | 19,968 | 55,98 |
| 1837 | Jan. 0 | 5 4 38,505 | +45 49 30,30 | 1847 | Jan. 0 | 5 5 24,427 | +45 50 0,46 |
| | Apr. 10 | 38,609 | 30,87 | | Apr. 10 | 24,303 | 0,01 |
| | Jul. 19 | 38,717 | 31,38 | | Jul. 19 | 24,174 | 49 59,63 |
| | Oct. 27 | 38,832 | 31,83 | | Oct. 27 | 24,041 | 59,33 |
| | Dec. 66 | 38,953 | 32,22 | | Dec. 66 | 23,904 | 59,10 |
| 1838 | Jan. 0 | 5 4 43,328 | +45 49 36,47 | 1848 | Jan. 1 | 5 5 28,369 | +45 50 3,47 |
| | Apr. 10 | 43,453 | 36,81 | | Apr. 10 | 28,231 | 3,29 |
| | Jul. 19 | 43,580 | 37,08 | | Jul. 19 | 28,091 | 3,19 |
| | Oct. 27 | 43,710 | 37,30 | | Oct. 27 | 27,949 | 3,16 |
| | Dec. 66 | 43,843 | 37,45 | | Dec. 66 | 27,805 | 3,21 |
| 1839 | Jan. 0 | 5 4 48,215 | +45 49 41,77 | 1849 | Jan. 0 | 5 5 32,269 | +45 50 7,49 |
| | Apr. 10 | 48,348 | 41,87 | | Apr. 10 | 32,138 | 7,60 |
| | Jul. 19 | 48,481 | 41,89 | | Jul. 19 | 32,009 | 7,78 |
| | Oct. 27 | 48,613 | 41,84 | | Oct. 27 | 31,882 | 8,03 |
| | Dec. 66 | 48,744 | 41,71 | | Dec. 66 | 31,757 | 8,36 |

## Tabulae X. Sect. V. *a Aurigae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,827 | + 3,0 | +4,11 | +14,0 | +3 | − 4 |
| 10 | +1,826 | − 3,2 | +5,47 | +12,9 | +4 | − 4 |
| 20 | +1,764 | − 9,1 | +6,69 | +11,3 | +5 | − 4 |
| 30 | +1,645 | −14,5 | +7,72 | + 9,2 | +5 | − 3 |
| Febr. 9 | +1,475 | −19,0 | +8,52 | + 6,7 | +6 | − 3 |
| 19 | +1,265 | −22,4 | +9,05 | + 3,8 | +6 | − 2 |
| Mart. 1 | +1,028 | −24,4 | +9,28 | + 0,8 | +6 | − 1 |
| 11 | +0,777 | −25,1 | +9,21 | − 2,3 | +6 | 0 |
| 21 | +0,526 | −24,3 | +8,83 | − 5,2 | +6 | 0 |
| 31 | +0,292 | −22,0 | +8,18 | − 7,8 | +6 | + 1 |
| Apr. 10 | +0,086 | −18,5 | +7,27 | −10,1 | +5 | + 1 |
| 20 | −0,078 | −13,9 | +6,17 | −11,8 | +4 | + 2 |
| 30 | −0,192 | − 8,5 | +4,91 | −13,0 | +4 | + 2 |
| Maj. 10 | −0,248 | − 2,6 | +3,57 | −13,6 | +3 | + 2 |
| 20 | −0,243 | + 3,6 | +2,19 | −13,7 | +2 | + 2 |
| 30 | −0,176 | + 9,8 | +0,83 | −13,3 | +1 | + 2 |
| Jun. 9 | −0,047 | +15,8 | −0,46 | −12,3 | 0 | + 2 |
| 19 | +0,139 | +21,2 | −1,63 | −11,0 | −1 | + 2 |
| 29 | +0,377 | +26,2 | −2,65 | − 9,4 | −2 | + 1 |
| Jul. 9 | +0,662 | +30,5 | −3,51 | − 7,6 | −2 | 0 |
| 19 | +0,986 | +34,0 | −4,16 | − 5,6 | −3 | 0 |
| 29 | +1,341 | +36,8 | −4,62 | − 3,6 | −3 | − 1 |
| Aug. 8 | +1,721 | +38,8 | −4,88 | − 1,6 | −4 | − 2 |
| 18 | +2,117 | +40,1 | −4,94 | + 0,4 | −4 | − 3 |
| 28 | +2,523 | +40,9 | −4,81 | + 2,2 | −4 | − 4 |
| Sept. 7 | +2,934 | +41,1 | −4,50 | + 4,0 | −4 | − 5 |
| 17 | +3,344 | +40,7 | −4,02 | + 5,6 | −4 | − 5 |
| 27 | +3,747 | +39,8 | −3,39 | + 7,1 | −4 | − 6 |
| Oct. 7 | +4,139 | +38,4 | −2,61 | + 8,6 | −3 | − 7 |
| 17 | +4,515 | +36,6 | −1,68 | + 9,9 | −3 | − 8 |
| 27 | +4,870 | +34,2 | −0,63 | +11,1 | −2 | − 9 |
| Nov. 6 | +5,198 | +31,2 | +0,54 | +12,3 | −1 | − 9 |
| 16 | +5,493 | +27,6 | +1,82 | +13,3 | 0 | −10 |
| 26 | +5,749 | +23,3 | +3,20 | +14,1 | +1 | −10 |
| Dec. 6 | +5,958 | +18,3 | +4,63 | +14,5 | +2 | −11 |
| 16 | +6,114 | +12,8 | +6,10 | +14,7 | +3 | −11 |
| 26 | +6,213 | + 6,9 | +7,57 | +14,5 | +4 | −11 |
| 36 | +6,251 | + 0,7 | +8,99 | +13,7 | +5 | −10 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 5 4 8,5950 | +45 48 53,606 |
| 1831 | 4 13,0100 | 48 58,020 |
| 1832 | 4 17,4251 | 49 2,429 |
| 1833 | 4 21,8404 | 49 6,831 |
| 1834 | 4 26,2559 | 49 11,226 |
| 1835 | 4 30,6716 | 49 15,616 |
| 1836 | 4 35,0875 | 49 19,999 |
| 1837 | 4 39,5036 | 49 24,376 |
| 1838 | 4 43,9198 | 49 28,747 |
| 1839 | 4 48,3362 | 49 33,112 |
| 1840 | 4 52,7528 | 49 37,470 |
| 1841 | 4 57,1696 | 49 41,822 |
| 1842 | 5 1,5866 | 49 46,168 |
| 1843 | 5 6,0038 | 49 50,508 |
| 1844 | 5 10,4211 | 49 54,841 |
| 1845 | 5 14,8386 | 49 59,169 |
| 1846 | 5 19,2563 | 50 3,490 |
| 1847 | 5 23,6742 | 50 7,805 |
| 1848 | 5 28,0923 | 50 12,113 |
| 1849 | 5 32,5106 | 50 16,416 |
| 1850 | 5 36,9290 | 50 20,712 |

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β *Orionis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 5 6 22,084 | — 8 24 26,75 | 1840 | Jan. 1 | 5 6 51,360 | — 8 23 23,16 |
| | Apr. 10 | 21,995 | 26,75 | | Apr. 10 | 51,440 | 23,34 |
| | Jul. 19 | 21,908 | 26,68 | | Jul. 19 | 51,516 | 23,59 |
| | Oct. 27 | 21,824 | 26,53 | | Oct. 27 | 51,588 | 23,90 |
| | Dec. 66 | 21,743 | 26,31 | | Dec. 66 | 51,656 | 24,28 |
| 1831 | Jan. 0 | 5 6 24,649 | — 8 24 21,77 | 1841 | Jan. 0 | 5 6 54,513 | — 8 23 19,57 |
| | Apr. 10 | 24,571 | 21,49 | | Apr. 10 | 54,578 | 19,99 |
| | Jul. 19 | 24,498 | 21,15 | | Jul. 19 | 54,636 | 20,47 |
| | Oct. 27 | 24,430 | 20,73 | | Oct. 27 | 54,688 | 21,01 |
| | Dec. 66 | 24,368 | 20,25 | | Dec. 66 | 54,734 | 21,61 |
| 1832 | Jan. 1 | 5 6 27,267 | — 8 24 15,81 | 1842 | Jan. 0 | 5 6 57,599 | — 8 23 16,83 |
| | Apr. 10 | 27,209 | 15,28 | | Apr. 10 | 57,641 | 17,47 |
| | Jul. 19 | 27,159 | 14,70 | | Jul. 19 | 57,675 | 18,13 |
| | Oct. 27 | 27,116 | 14,08 | | Oct. 27 | 57,702 | 18,84 |
| | Dec. 66 | 27,080 | 13,40 | | Dec. 66 | 57,721 | 19,59 |
| 1833 | Jan. 0 | 5 6 29,970 | — 8 24 9,02 | 1843 | Jan. 0 | 5 7 0,595 | — 8 23 14,76 |
| | Apr. 10 | 29,939 | 8,31 | | Apr. 10 | 0,609 | 15,53 |
| | Jul. 19 | 29,917 | 7,58 | | Jul. 19 | 0,615 | 16,32 |
| | Oct. 27 | 29,903 | 6,81 | | Oct. 27 | 0,612 | 17,12 |
| | Dec. 66 | 29,897 | 6,02 | | Dec. 66 | 0,602 | 17,94 |
| 1834 | Jan. 0 | 5 6 32,777 | — 8 24 1,68 | 1844 | Jan. 1 | 5 7 3,486 | — 8 23 13,10 |
| | Apr. 10 | 32,778 | 0,88 | | Apr. 10 | 3,471 | 13,92 |
| | Jul. 19 | 32,784 | 0,07 | | Jul. 19 | 3,447 | 14,74 |
| | Oct. 27 | 32,800 | 23 59,26 | | Oct. 27 | 3,415 | 15,54 |
| | Dec. 66 | 32,823 | 58,44 | | Dec. 66 | 3,375 | 16,34 |
| 1835 | Jan. 0 | 5 6 35,693 | — 8 23 54,11 | 1845 | Jan. 0 | 5 7 6,268 | — 8 23 11,52 |
| | Apr. 10 | 35,721 | 53,30 | | Apr. 10 | 6,223 | 12,31 |
| | Jul. 19 | 35,757 | 52,51 | | Jul. 19 | 6,172 | 13,06 |
| | Oct. 27 | 35,800 | 51,74 | | Oct. 27 | 6,114 | 13,78 |
| | Dec. 66 | 35,850 | 51,00 | | Dec. 66 | 6,049 | 14,45 |
| 1836 | Jan. 1 | 5 6 38,711 | — 8 23 46,64 | 1846 | Jan. 0 | 5 7 8,951 | — 8 23 9,67 |
| | Apr. 10 | 38,765 | 45,91 | | Apr. 10 | 8,881 | 10,32 |
| | Jul. 19 | 38,825 | 45,23 | | Jul. 19 | 8,808 | 10,92 |
| | Oct. 27 | 38,890 | 44,59 | | Oct. 27 | 8,729 | 11,46 |
| | Dec. 66 | 38,960 | 44,00 | | Dec. 66 | 8,647 | 11,95 |
| 1837 | Jan. 0 | 5 6 41,815 | — 8 23 39,60 | 1847 | Jan. 0 | 5 7 11,555 | — 8 23 7,24 |
| | Apr. 10 | 41,888 | 39,04 | | Apr. 10 | 11,469 | 7,69 |
| | Jul. 19 | 41,965 | 38,53 | | Jul. 19 | 11,382 | 8,06 |
| | Oct. 27 | 42,045 | 38,08 | | Oct. 27 | 11,293 | 8,36 |
| | Dec. 66 | 42,128 | 37,69 | | Dec. 66 | 11,202 | 8,58 |
| 1838 | Jan. 0 | 5 6 44,979 | — 8 23 33,23 | 1848 | Jan. 1 | 5 7 14,112 | — 8 23 3,97 |
| | Apr. 10 | 45,064 | 32,89 | | Apr. 10 | 14,020 | 4,15 |
| | Jul. 19 | 45,149 | 32,61 | | Jul. 19 | 13,930 | 4,25 |
| | Oct. 27 | 45,235 | 32,40 | | Oct. 27 | 13,841 | 4,27 |
| | Dec. 66 | 45,322 | 32,26 | | Dec. 66 | 13,753 | 4,21 |
| 1839 | Jan. 0 | 5 6 48,172 | — 8 23 27,72 | 1849 | Jan. 0 | 5 7 16,662 | — 8 22 59,69 |
| | Apr. 10 | 48,258 | 27,63 | | Apr. 10 | 16,576 | 59,58 |
| | Jul. 19 | 48,343 | 27,61 | | Jul. 19 | 16,493 | 59,40 |
| | Oct. 27 | 48,426 | 27,67 | | Oct. 27 | 16,414 | 59,14 |
| | Dec. 66 | 48,508 | 27,80 | | Dec. 66 | 16,339 | 58,81 |

## Tabulae X. Sect. V. β *Orionis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,283 | + 1,6 | — 2,90 | —16,0 | +1 | +1 |
| 10 | +1,277 | — 2,7 | — 4,44 | —14,5 | +2 | +1 |
| 20 | +1,229 | — 6,8 | — 5,80 | —12,5 | +2 | +1 |
| 30 | +1,142 | —10,5 | — 6,94 | —10,3 | +2 | 0 |
| Febr. 9 | +1,019 | —13,7 | — 7,86 | — 8,0 | +3 | 0 |
| 19 | +0,869 | —16,0 | — 8,53 | — 5,5 | +3 | 0 |
| Mart. 1 | +0,699 | —17,5 | — 8,96 | — 3,0 | +3 | 0 |
| 11 | +0,519 | —18,0 | — 9,13 | — 0,5 | +3 | 0 |
| 21 | +0,339 | —17,6 | — 9,06 | + 2,0 | +3 | —1 |
| 31 | +0,168 | —16,1 | — 8,73 | + 4,5 | +3 | —1 |
| Apr. 10 | +0,017 | —13,8 | — 8,17 | + 6,9 | +2 | —1 |
| 20 | —0,107 | — 9,7 | — 7,36 | + 9,3 | +2 | —1 |
| 30 | —0,197 | — 6,0 | — 6,32 | +11,5 | +2 | —1 |
| Maj. 10 | —0,247 | — 2,9 | — 5,06 | +13,6 | +1 | —2 |
| 20 | —0,255 | + 1,4 | — 3,61 | +15,4 | +1 | —2 |
| 30 | —0,219 | + 5,8 | — 1,98 | +17,0 | +1 | —2 |
| Jun. 9 | —0,140 | +10,0 | — 0,21 | +18,3 | 0 | —2 |
| 19 | —0,019 | +14,0 | + 1,67 | +19,1 | 0 | —3 |
| 29 | +0,139 | +17,5 | + 3,60 | +19,4 | —1 | —3 |
| Jul. 9 | +0,331 | +20,7 | + 5,54 | +19,1 | —1 | —3 |
| 19 | +0,552 | +23,3 | + 7,42 | +18,3 | —1 | —3 |
| 29 | +0,796 | +25,3 | + 9,19 | +16,9 | —2 | —3 |
| Aug. 8 | +1,058 | +26,9 | +10,80 | +14,9 | —2 | —3 |
| 18 | +1,333 | +27,9 | +12,17 | +12,3 | —2 | —3 |
| 28 | +1,615 | +28,4 | +13,26 | + 9,3 | —2 | —3 |
| Sept. 7 | +1,901 | +28,6 | +14,03 | + 5,9 | —2 | —3 |
| 17 | +2,187 | +28,3 | +14,44 | + 2,3 | —2 | —3 |
| 27 | +2,467 | +27,5 | +14,49 | — 1,5 | —2 | —3 |
| Oct. 7 | +2,739 | +26,5 | +14,15 | — 5,2 | —2 | —3 |
| 17 | +2,998 | +25,2 | +13,45 | — 8,5 | —2 | —3 |
| 27 | +3,242 | +23,4 | +12,45 | —11,5 | —1 | —3 |
| Nov. 6 | +3,466 | +21,3 | +11,16 | —14,1 | —1 | —3 |
| 16 | +3,667 | +18,7 | + 9,64 | —16,0 | —1 | —3 |
| 26 | +3,839 | +15,6 | + 7,96 | —17,2 | 0 | —3 |
| Dec. 6 | +3,978 | +12,1 | + 6,21 | —17,7 | 0 | —3 |
| 16 | +4,081 | + 8,3 | + 4,43 | —17,6 | +1 | —3 |
| 26 | +4,144 | + 4,2 | + 2,70 | —16,8 | +1 | —3 |
| 36 | +4,165 | 0,0 | + 1,08 | —15,6 | +2 | —3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 5 6 22,2241 | — 8 24 17,810 |
| 1831 | 6 25,1029 | 24 13,192 |
| 1832 | 6 27,9817 | 24 8,578 |
| 1833 | 6 30,8605 | 24 3,968 |
| 1834 | 6 33,7394 | 23 59,362 |
| 1835 | 6 36,6183 | 23 54,760 |
| 1836 | 6 39,4973 | 23 50,162 |
| 1837 | 6 42,3763 | 23 45,568 |
| 1838 | 6 45,2554 | 23 40,979 |
| 1839 | 6 48,1345 | 23 36,394 |
| 1840 | 6 51,0136 | 23 31,812 |
| 1841 | 6 53,8928 | 23 27,235 |
| 1842 | 6 56,7720 | 23 22,662 |
| 1843 | 6 59,6513 | 23 18,093 |
| 1844 | 7 2,5306 | 23 13,528 |
| 1845 | 7 5,4100 | 23 8,967 |
| 1846 | 7 8,2894 | 23 4,410 |
| 1847 | 7 11,1688 | 22 59,857 |
| 1848 | 7 14,0483 | 22 55,309 |
| 1849 | 7 16,9278 | 22 50,765 |
| 1850 | 7 19,8074 | 22 46,224 |

Diei reducto addendum est:

ante / post } Jun. 8 { +1 / +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β *Tauri.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 5 15 32,964 | +28 27 8,26 | 1840 | Jan. 1 | 5 16 11,296 | +28 28 2,19 |
| | Apr. 10 | 32,845 | 8,28 | | Apr. 10 | 11,404 | 1,99 |
| | Jul. 19 | 32,729 | 8,38 | | Jul. 19 | 11,507 | 1,72 |
| | Oct. 27 | 32,616 | 8,56 | | Oct. 27 | 11,606 | 1,38 |
| | Dec. 66 | 32,506 | 8,81 | | Dec. 66 | 11,700 | 0,98 |
| 1831 | Jan. 0 | 5 15 36,328 | +28 27 12,38 | 1841 | Jan. 0 | 5 16 15,456 | +28 28 4,72 |
| | Apr. 10 | 36,222 | 12,68 | | Apr. 10 | 15,546 | 4,27 |
| | Jul. 19 | 36,122 | 13,05 | | Jul. 19 | 15,628 | 3,77 |
| | Oct. 27 | 36,028 | 13,49 | | Oct. 27 | 15,703 | 3,21 |
| | Dec. 66 | 35,941 | 13,99 | | Dec. 66 | 15,771 | 2,60 |
| 1832 | Jan. 1 | 5 15 39,755 | +28 27 17,47 | 1842 | Jan. 0 | 5 16 19,536 | +28 28 6,41 |
| | Apr. 10 | 39,674 | 18,02 | | Apr. 10 | 19,599 | 5,76 |
| | Jul. 19 | 39,601 | 18,61 | | Jul. 19 | 19,651 | 5,07 |
| | Oct. 27 | 39,538 | 19,26 | | Oct. 27 | 19,694 | 4,35 |
| | Dec. 66 | 39,483 | 19,95 | | Dec. 66 | 19,726 | 3,59 |
| 1833 | Jan. 0 | 5 15 43,286 | +28 27 23,36 | 1843 | Jan. 0 | 5 16 23,504 | +28 28 7,44 |
| | Apr. 10 | 43,238 | 24,08 | | Apr. 10 | 23,531 | 6,66 |
| | Jul. 19 | 43,201 | 24,83 | | Jul. 19 | 23,547 | 5,86 |
| | Oct. 27 | 43,174 | 25,61 | | Oct. 27 | 23,552 | 5,05 |
| | Dec. 66 | 43,158 | 26,41 | | Dec. 66 | 23,547 | 4,23 |
| 1834 | Jan. 0 | 5 15 46,948 | +28 27 29,78 | 1844 | Jan. 1 | 5 16 27,338 | +28 28 8,09 |
| | Apr. 10 | 46,939 | 30,59 | | Apr. 10 | 27,324 | 7,26 |
| | Jul. 19 | 46,941 | 31,41 | | Jul. 19 | 27,300 | 6,45 |
| | Oct. 27 | 46,953 | 32,22 | | Oct. 27 | 27,266 | 5,64 |
| | Dec. 66 | 46,976 | 33,04 | | Dec. 66 | 27,222 | 4,85 |
| 1835 | Jan. 0 | 5 15 50,754 | +28 27 36,40 | 1845 | Jan. 0 | 5 16 31,025 | +28 28 8,69 |
| | Apr. 10 | 50,784 | 37,21 | | Apr. 10 | 30,974 | 7,91 |
| | Jul. 19 | 50,823 | 38,00 | | Jul. 19 | 30,913 | 7,17 |
| | Oct. 27 | 50,872 | 38,76 | | Oct. 27 | 30,843 | 6,46 |
| | Dec. 66 | 50,930 | 39,50 | | Dec. 66 | 30,763 | 5,79 |
| 1836 | Jan. 1 | 5 15 54,696 | +28 27 42,88 | 1846 | Jan. 0 | 5 16 34,578 | +28 28 9,58 |
| | Apr. 10 | 54,761 | 43,60 | | Apr. 10 | 34,494 | 8,94 |
| | Jul. 19 | 54,833 | 44,27 | | Jul. 19 | 34,402 | 8,36 |
| | Oct. 27 | 54,913 | 44,90 | | Oct. 27 | 34,304 | 7,84 |
| | Dec. 66 | 55,000 | 45,49 | | Dec. 66 | 34,198 | 7,37 |
| 1837 | Jan. 0 | 5 15 58,757 | +28 27 48,92 | 1847 | Jan. 0 | 5 16 38,022 | +28 28 11,09 |
| | Apr. 10 | 58,849 | 49,47 | | Apr. 10 | 37,913 | 10,67 |
| | Jul. 19 | 58,945 | 49,96 | | Jul. 19 | 37,801 | 10,32 |
| | Oct. 27 | 59,046 | 50,39 | | Oct. 27 | 37,686 | 10,04 |
| | Dec. 66 | 59,152 | 50,75 | | Dec. 66 | 37,568 | 9,84 |
| 1838 | Jan. 0 | 5 16 2,903 | +28 27 54,25 | 1848 | Jan. 1 | 5 16 41,395 | +28 28 13,46 |
| | Apr. 10 | 3,012 | 54,58 | | Apr. 10 | 41,276 | 13,31 |
| | Jul. 19 | 3,122 | 54,83 | | Jul. 19 | 41,157 | 13,24 |
| | Oct. 27 | 3,235 | 55,01 | | Oct. 27 | 41,039 | 13,25 |
| | Dec. 66 | 3,348 | 55,12 | | Dec. 66 | 40,921 | 13,33 |
| 1839 | Jan. 0 | 5 16 7,097 | +28 27 58,71 | 1849 | Jan. 0 | 5 16 44,748 | +28 28 16,85 |
| | Apr. 10 | 7,211 | 58,77 | | Apr. 10 | 44,633 | 16,99 |
| | Jul. 19 | 7,324 | 58,76 | | Jul. 19 | 44,521 | 17,20 |
| | Oct. 27 | 7,436 | 58,68 | | Oct. 27 | 44,414 | 17,48 |
| | Dec. 66 | 7,546 | 58,53 | | Dec. 66 | 44,311 | 17,84 |

## Tabulae X. Sect. V. *β Tauri.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,473 | + 4,6 | +1,56 | +4,2 | +1 | —2 |
| 10 | +1,494 | — 0,4 | +1,98 | +4,1 | +2 | —2 |
| 20 | +1,465 | — 5,3 | +2,38 | +3,7 | +3 | —2 |
| 30 | +1,388 | — 9,8 | +2,72 | +3,1 | +3 | —2 |
| Febr. 9 | +1,270 | —13,6 | +3,00 | +2,3 | +4 | —2 |
| 19 | +1,116 | —16,7 | +3,17 | +1,1 | +4 | —1 |
| Mart. 1 | +0,937 | —18,6 | +3,22 | —0,1 | +4 | —1 |
| 11 | +0,745 | —19,4 | +3,15 | —1,3 | +4 | —1 |
| 21 | +0,550 | —19,0 | +2,96 | —2,5 | +4 | 0 |
| 31 | +0,366 | —17,4 | +2,65 | —3,6 | +4 | 0 |
| Apr. 10 | +0,203 | —14,8 | +2,25 | —4,4 | +4 | 0 |
| 20 | +0,071 | —11,3 | +1,78 | —4,9 | +3 | +1 |
| 30 | —0,022 | — 7,1 | +1,28 | —5,0 | +3 | +1 |
| Maj. 10 | —0,070 | — 2,4 | +0,78 | —4,9 | +2 | +1 |
| 20 | —0,069 | + 2,6 | +0,31 | —4,5 | +2 | +1 |
| 30 | —0,019 | + 7,5 | —0,11 | —3,7 | +1 | +1 |
| Jun. 9 | +0,081 | +12,3 | —0,43 | —2,8 | 0 | 0 |
| 19 | +0,227 | +16,7 | —0,66 | —1,7 | 0 | 0 |
| 29 | +0,415 | +20,7 | —0,77 | —0,6 | —1 | 0 |
| Jul. 9 | +0,641 | +24,2 | —0,77 | +0,5 | —1 | —1 |
| 19 | +0,899 | +27,1 | —0,67 | +1,6 | —2 | —1 |
| 29 | +1,182 | +29,3 | —0,46 | +2,5 | —2 | —2 |
| Aug. 8 | +1,485 | +31,0 | —0,18 | +3,1 | —3 | —2 |
| 18 | +1,802 | +32,2 | +0,16 | +3,6 | —3 | —3 |
| 28 | +2,128 | +32,9 | +0,53 | +3,9 | —3 | —3 |
| Sept. 7 | +2,459 | +33,1 | +0,93 | +4,0 | —3 | —4 |
| 17 | +2,789 | +32,9 | +1,32 | +3,9 | —3 | —4 |
| 27 | +3,116 | +32,4 | +1,70 | +3,7 | —3 | —5 |
| Oct. 7 | +3,436 | +31,5 | +2,06 | +3,5 | —3 | —6 |
| 17 | +3,745 | +30,2 | +2,40 | +3,4 | —2 | —6 |
| 27 | +4,040 | +28,5 | +2,73 | +3,3 | —2 | —6 |
| Nov. 6 | +4,315 | +26,3 | +3,05 | +3,3 | —2 | —7 |
| 16 | +4,566 | +23,7 | +3,38 | +3,4 | —1 | —7 |
| 26 | +4,788 | +20,4 | +3,72 | +3,6 | 0 | —7 |
| Dec. 6 | +4,974 | +16,6 | +4,09 | +3,8 | 0 | —8 |
| 16 | +5,120 | +12,4 | +4,48 | +4,1 | +1 | —8 |
| 26 | +5,221 | + 7,7 | +4,90 | +4,2 | +2 | —8 |
| 36 | +5,274 | + 2,7 | +5,32 | +4,2 | +3 | —8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 5 15 33,0577 | +28 27 17,251 |
| 1831 | 15 36,8439 | 27 20,907 |
| 1832 | 15 40,6302 | 27 24,557 |
| 1833 | 15 44,4166 | 27 28,202 |
| 1834 | 15 48,2031 | 27 31,841 |
| 1835 | 15 51,9895 | 27 35,475 |
| 1836 | 15 55,7761 | 27 39,104 |
| 1837 | 15 59,5628 | 27 42,727 |
| 1838 | 16 3,3496 | 27 46,345 |
| 1839 | 16 7,1365 | 27 49,957 |
| 1840 | 16 10,9236 | 27 53,563 |
| 1841 | 16 14,7107 | 27 57,165 |
| 1842 | 16 18,4979 | 28 0,761 |
| 1843 | 16 22,2852 | 28 4,352 |
| 1844 | 16 26,0726 | 28 7,937 |
| 1845 | 16 29,8599 | 28 11,517 |
| 1846 | 16 33,6474 | 28 15,092 |
| 1847 | 16 37,4350 | 28 18,661 |
| 1848 | 16 41,2227 | 28 22,225 |
| 1849 | 16 45,0105 | 28 25,783 |
| 1850 | 16 48,7985 | 28 29,335 |

Diei reducto addendum est:

ante } Jun. 10 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. α *Orionis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | h 5 45′ 58″,060 | + 7° 21′ 54″,10 | 1840 | Jan. 1 | h 5 46′ 31″,011 | + 7° 22′ 23″,56 |
| | Apr. 10 | 57,959 | 54,21 | | Apr. 10 | 31,102 | 23,28 |
| | Jul. 19 | 57,861 | 54,39 | | Jul. 19 | 31,188 | 22,94 |
| | Oct. 27 | 57,766 | 54,65 | | Oct. 27 | 31,270 | 22,53 |
| | Dec. 66 | 57,673 | 54,98 | | Dec. 66 | 31,348 | 22,05 |
| 1831 | Jan. 0 | 5 46 0,949 | + 7 21 56,08 | 1841 | Jan. 0 | 5 46 34,568 | + 7 22 23,39 |
| | Apr. 10 | 0,859 | 56,46 | | Apr. 10 | 34,642 | 22,87 |
| | Jul. 19 | 0,776 | 56,91 | | Jul. 19 | 34,710 | 22,30 |
| | Oct. 27 | 0,699 | 57,42 | | Oct. 27 | 34,771 | 21,68 |
| | Dec. 66 | 0,628 | 58,00 | | Dec. 66 | 34,825 | 21,01 |
| 1832 | Jan. 1 | 5 46 3,896 | + 7 21 59,01 | 1842 | Jan. 0 | 5 46 38,054 | + 7 22 22,41 |
| | Apr. 10 | 3,830 | 59,62 | | Apr. 10 | 38,103 | 21,71 |
| | Jul. 19 | 3,771 | 22 0,28 | | Jul. 19 | 38,144 | 20,98 |
| | Oct. 27 | 3,720 | 0,98 | | Oct. 27 | 38,177 | 20,22 |
| | Dec. 66 | 3,677 | 1,72 | | Dec. 66 | 38,201 | 19,42 |
| 1833 | Jan. 0 | 5 46 6,936 | + 7 22 2,67 | 1843 | Jan. 0 | 5 46 41,439 | + 7 22 20,85 |
| | Apr. 10 | 6,899 | 3,43 | | Apr. 10 | 41,458 | 20,04 |
| | Jul. 19 | 6,871 | 4,22 | | Jul. 19 | 41,467 | 19,23 |
| | Oct. 27 | 6,853 | 5,02 | | Oct. 27 | 41,467 | 18,41 |
| | Dec. 66 | 6,844 | 5,85 | | Dec. 66 | 41,458 | 17,58 |
| 1834 | Jan. 0 | 5 46 10,091 | + 7 22 6,78 | 1844 | Jan. 1 | 5 46 44,708 | + 7 22 19,01 |
| | Apr. 10 | 10,088 | 7,61 | | Apr. 10 | 44,693 | 18,19 |
| | Jul. 19 | 10,094 | 8,43 | | Jul. 19 | 44,668 | 17,38 |
| | Oct. 27 | 10,109 | 9,24 | | Oct. 27 | 44,635 | 16,59 |
| | Dec. 66 | 10,133 | 10,05 | | Dec. 66 | 44,592 | 15,81 |
| 1835 | Jan. 0 | 5 46 13,369 | + 7 22 10,98 | 1845 | Jan. 0 | 5 46 47,853 | + 7 22 17,22 |
| | Apr. 10 | 13,399 | 11,78 | | Apr. 10 | 47,805 | 16,47 |
| | Jul. 19 | 13,437 | 12,55 | | Jul. 19 | 47,749 | 15,76 |
| | Oct. 27 | 13,483 | 13,29 | | Oct. 27 | 47,685 | 15,09 |
| | Dec. 66 | 13,537 | 13,99 | | Dec. 66 | 47,614 | 14,47 |
| 1836 | Jan. 1 | 5 46 16,764 | + 7 22 14,95 | 1846 | Jan. 0 | 5 46 50,885 | + 7 22 15,82 |
| | Apr. 10 | 16,823 | 15,63 | | Apr. 10 | 50,809 | 15,23 |
| | Jul. 19 | 16,888 | 16,26 | | Jul. 19 | 50,728 | 14,71 |
| | Oct. 27 | 16,959 | 16,84 | | Oct. 27 | 50,641 | 14,25 |
| | Dec. 66 | 17,036 | 17,37 | | Dec. 66 | 50,549 | 13,86 |
| 1837 | Jan. 0 | 5 46 20,255 | + 7 22 18,39 | 1847 | Jan. 0 | 5 46 53,826 | + 7 22 15,12 |
| | Apr. 10 | 20,337 | 18,88 | | Apr. 10 | 53,731 | 14,77 |
| | Jul. 19 | 20,422 | 19,31 | | Jul. 19 | 53,634 | 14,50 |
| | Oct. 27 | 20,511 | 19,67 | | Oct. 27 | 53,534 | 14,30 |
| | Dec. 66 | 20,603 | 19,96 | | Dec. 66 | 53,432 | 14,18 |
| 1838 | Jan. 0 | 5 46 23,818 | + 7 22 21,06 | 1848 | Jan. 1 | 5 46 56,712 | + 7 22 15,35 |
| | Apr. 10 | 23,913 | 21,31 | | Apr. 10 | 56,610 | 15,28 |
| | Jul. 19 | 24,008 | 21,48 | | Jul. 19 | 56,508 | 15,29 |
| | Oct. 27 | 24,105 | 21,59 | | Oct. 27 | 56,408 | 15,38 |
| | Dec. 66 | 24,202 | 21,62 | | Dec. 66 | 56,308 | 15,54 |
| 1839 | Jan. 0 | 5 46 27,415 | + 7 22 22,80 | 1849 | Jan. 0 | 5 46 59,587 | + 7 22 16,61 |
| | Apr. 10 | 27,512 | 22,79 | | Apr. 10 | 59,489 | 16,83 |
| | Jul. 19 | 27,608 | 22,70 | | Jul. 19 | 59,395 | 17,12 |
| | Oct. 27 | 27,703 | 22,54 | | Oct. 27 | 59,305 | 17,48 |
| | Dec. 66 | 27,796 | 22,30 | | Dec. 66 | 59,220 | 17,92 |

## Tabulae X. Sect. V. *α Orionis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,353 | + 6,5 | —1,31 | — 8,8 | +1 | —1 |
| 10 | +1,395 | + 1,9 | —2,14 | — 7,8 | +1 | —1 |
| 20 | +1,391 | — 2,7 | —2,86 | — 6,6 | +2 | —1 |
| 30 | +1,342 | — 7,0 | —3,46 | — 5,5 | +2 | —1 |
| Febr. 9 | +1,252 | —10,8 | —3,95 | — 4,3 | +3 | —1 |
| 19 | +1,127 | —13,4 | —4,32 | — 3,2 | +3 | —1 |
| Mart. 1 | +0,975 | —15,6 | —4,58 | — 2,1 | +3 | —1 |
| 11 | +0,805 | —17,3 | —4,73 | — 1,0 | +3 | —1 |
| 21 | +0,629 | —17,4 | —4,78 | — 0,1 | +3 | —1 |
| 31 | +0,457 | —16,5 | —4,74 | + 0,9 | +3 | —1 |
| Apr. 10 | +0,299 | —14,7 | —4,60 | + 2,0 | +3 | —1 |
| 20 | +0,164 | —12,0 | —4,35 | + 3,1 | +3 | —1 |
| 30 | +0,059 | — 8,7 | —3,98 | + 4,2 | +2 | —1 |
| Maj. 10 | —0,009 | — 4,8 | —3,51 | + 5,3 | +2 | —1 |
| 20 | —0,037 | — 0,7 | —2,92 | + 6,5 | +1 | —1 |
| 30 | —0,022 | + 3,6 | —2,21 | + 7,7 | +1 | —1 |
| Jun. 9 | +0,035 | + 7,8 | —1,39 | + 8,7 | +1 | —1 |
| 19 | +0,133 | +11,7 | —0,48 | + 9,5 | 0 | —2 |
| 29 | +0,269 | +15,4 | +0,51 | +10,1 | 0 | —2 |
| Jul. 9 | +0,440 | +18,6 | +1,54 | +10,4 | —1 | —2 |
| 19 | +0,641 | +21,4 | +2,58 | +10,4 | —1 | —2 |
| 29 | +0,868 | +23,7 | +3,61 | + 9,9 | —2 | —2 |
| Aug. 8 | +1,115 | +25,6 | +4,56 | + 9,0 | —2 | —3 |
| 18 | +1,379 | +27,1 | +5,41 | + 7,8 | —2 | —3 |
| 28 | +1,656 | +28,1 | +6,12 | + 6,2 | —2 | —3 |
| Sept. 7 | +1,941 | +28,7 | +6,64 | + 4,2 | —3 | —3 |
| 17 | +2,230 | +29,0 | +6,96 | + 2,1 | —3 | —4 |
| 27 | +2,521 | +29,0 | +7,05 | — 0,2 | —3 | —4 |
| Oct. 7 | +2,810 | +28,7 | +6,92 | — 2,5 | —3 | —4 |
| 17 | +3,094 | +28,0 | +6,55 | — 4,7 | —2 | —4 |
| 27 | +3,369 | +26,8 | +5,99 | — 6,5 | —2 | —4 |
| Nov. 6 | +3,630 | +25,2 | +5,25 | — 8,1 | —2 | —4 |
| 16 | +3,873 | +23,1 | +4,37 | — 9,2 | —1 | —5 |
| 26 | +4,092 | +20,4 | +3,41 | — 9,9 | —1 | —5 |
| Dec. 6 | +4,281 | +17,2 | +2,40 | —10,1 | 0 | —5 |
| 16 | +4,435 | +13,5 | +1,39 | — 9,9 | 0 | —5 |
| 26 | +4,550 | + 9,3 | +0,43 | — 9,3 | +1 | —5 |
| 36 | +4,620 | + 4,8 | —0,46 | — 8,4 | +1 | —5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 5 45 58,1899 | + 7 22 3,130 |
| 1831 | 46 1,4354 | 22 4,348 |
| 1832 | 46 4,6809 | 22 5,561 |
| 1833 | 46 7,9264 | 22 6,769 |
| 1834 | 46 11,1720 | 22 7,973 |
| 1835 | 46 14,4176 | 22 9,172 |
| 1836 | 46 17,6632 | 22 10,366 |
| 1837 | 46 20,9089 | 22 11,556 |
| 1838 | 46 24,1546 | 22 12,741 |
| 1839 | 46 27,4003 | 22 13,921 |
| 1840 | 46 30,6461 | 22 15,097 |
| 1841 | 46 33,8919 | 22 16,268 |
| 1842 | 46 37,1377 | 22 17,434 |
| 1843 | 46 40,3836 | 22 18,595 |
| 1844 | 46 43,6295 | 22 19,752 |
| 1845 | 46 46,8754 | 22 20,903 |
| 1846 | 46 50,1214 | 22 22,050 |
| 1847 | 46 53,3674 | 22 23,192 |
| 1848 | 46 56,6134 | 22 24,330 |
| 1849 | 46 59,8594 | 22 25,463 |
| 1850 | 47 3,1055 | 22 26,592 |

Diei reducto addendum est:

ante } Jun. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. α *Canis majoris.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1830 | Jan. 0 | 6 37 39,186 | —16 29 30,91 |
| | Apr. 10 | 39,102 | 30,66 |
| | Jul. 19 | 39,020 | 30,34 |
| | Oct. 27 | 38,941 | 29,96 |
| | Dec. 66 | 38,865 | 29,50 |
| 1831 | Jan. 0 | 6 37 41,534 | —16 29 34,18 |
| | Apr. 10 | 41,459 | 33,68 |
| | Jul. 19 | 41,388 | 33,13 |
| | Oct. 27 | 41,322 | 32,52 |
| | Dec. 66 | 41,261 | 31,85 |
| 1832 | Jan. 1 | 6 37 43,925 | —16 29 36,61 |
| | Apr. 10 | 43,868 | 35,91 |
| | Jul. 19 | 43,817 | 35,18 |
| | Oct. 27 | 43,773 | 34,42 |
| | Dec. 66 | 43,736 | 33,63 |
| 1833 | Jan. 0 | 6 37 46,392 | —16 29 38,43 |
| | Apr. 10 | 46,360 | 37,62 |
| | Jul. 19 | 46,335 | 36,81 |
| | Oct. 27 | 46,317 | 35,99 |
| | Dec. 66 | 46,307 | 35,16 |
| 1834 | Jan. 0 | 6 37 48,953 | —16 29 39,97 |
| | Apr. 10 | 48,948 | 39,15 |
| | Jul. 19 | 48,951 | 38,35 |
| | Oct. 27 | 48,961 | 37,57 |
| | Dec. 66 | 48,978 | 36,80 |
| 1835 | Jan. 0 | 6 37 51,616 | —16 29 41,59 |
| | Apr. 10 | 51,639 | 40,84 |
| | Jul. 19 | 51,668 | 40,14 |
| | Oct. 27 | 51,704 | 39,47 |
| | Dec. 66 | 51,746 | 38,85 |
| 1836 | Jan. 1 | 6 37 54,375 | —16 29 43,59 |
| | Apr. 10 | 54,422 | 43,00 |
| | Jul. 19 | 54,474 | 42,47 |
| | Oct. 27 | 54,531 | 42,00 |
| | Dec. 66 | 54,594 | 41,58 |
| 1837 | Jan. 0 | 6 37 57,217 | —16 29 46,26 |
| | Apr. 10 | 57,283 | 45,89 |
| | Jul. 19 | 57,352 | 45,58 |
| | Oct. 27 | 57,424 | 45,35 |
| | Dec. 66 | 57,500 | 45,18 |
| 1838 | Jan. 0 | 6 38 0,119 | —16 29 49,78 |
| | Apr. 10 | 0,197 | 49,66 |
| | Jul. 19 | 0,275 | 49,62 |
| | Oct. 27 | 0,355 | 49,65 |
| | Dec. 66 | 0,435 | 49,76 |
| 1839 | Jan. 0 | 6 38 3,052 | —16 29 54,26 |
| | Apr. 10 | 3,133 | 54,41 |
| | Jul. 19 | 3,213 | 54,63 |
| | Oct. 27 | 3,292 | 54,92 |
| | Dec. 66 | 3,369 | 55,28 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1840 | Jan. 1 | 6 38 5,987 | —16 29 59,71 |
| | Apr. 10 | 6,063 | 30 0,11 |
| | Jul. 19 | 6,136 | 0,57 |
| | Oct. 27 | 6,205 | 1,09 |
| | Dec. 66 | 6,271 | 1,67 |
| 1841 | Jan. 0 | 6 38 8,893 | —16 30 6,03 |
| | Apr. 10 | 8,956 | 6,64 |
| | Jul. 19 | 9,013 | 7,30 |
| | Oct. 27 | 9,066 | 7,99 |
| | Dec. 66 | 9,113 | 8,73 |
| 1842 | Jan. 0 | 6 38 11,742 | —16 30 13,04 |
| | Apr. 10 | 11,784 | 13,80 |
| | Jul. 19 | 11,820 | 14,58 |
| | Oct. 27 | 11,849 | 15,37 |
| | Dec. 66 | 11,872 | 16,18 |
| 1843 | Jan. 0 | 6 38 14,509 | —16 30 20,47 |
| | Apr. 10 | 14,527 | 21,30 |
| | Jul. 19 | 14,537 | 22,12 |
| | Oct. 27 | 14,539 | 22,93 |
| | Dec. 66 | 14,534 | 23,74 |
| 1844 | Jan. 1 | 6 38 17,180 | —16 30 28,05 |
| | Apr. 10 | 17,170 | 28,84 |
| | Jul. 19 | 17,152 | 29,61 |
| | Oct. 27 | 17,127 | 30,34 |
| | Dec. 66 | 17,094 | 31,04 |
| 1845 | Jan. 0 | 6 38 19,750 | —16 30 35,39 |
| | Apr. 10 | 19,712 | 36,06 |
| | Jul. 19 | 19,668 | 36,68 |
| | Oct. 27 | 19,617 | 37,25 |
| | Dec. 66 | 19,560 | 37,77 |
| 1846 | Jan. 0 | 6 38 22,224 | —16 30 42,18 |
| | Apr. 10 | 22,163 | 42,65 |
| | Jul. 19 | 22,097 | 43,06 |
| | Oct. 27 | 22,026 | 43,39 |
| | Dec. 66 | 21,951 | 43,66 |
| 1847 | Jan. 0 | 6 38 24,621 | —16 30 48,16 |
| | Apr. 10 | 24,544 | 48,38 |
| | Jul. 19 | 24,464 | 48,52 |
| | Oct. 27 | 24,382 | 48,58 |
| | Dec. 66 | 24,298 | 48,56 |
| 1848 | Jan. 1 | 6 38 26,970 | —16 30 53,16 |
| | Apr. 10 | 26,885 | 53,09 |
| | Jul. 19 | 26,801 | 52,94 |
| | Oct. 27 | 26,718 | 52,71 |
| | Dec. 66 | 26,635 | 52,41 |
| 1849 | Jan. 0 | 6 38 29,306 | —16 30 57,11 |
| | Apr. 10 | 29,224 | 56,76 |
| | Jul. 19 | 29,146 | 56,35 |
| | Oct. 27 | 29,071 | 55,86 |
| | Dec. 66 | 28,999 | 55,31 |

## Tabulae X. Sect. V. α *Canis majoris.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,427 | + 9,2 | − 1,76 | −23,8 | 0 | +1 | 1830 | 6 37 39,2683 | −16 29 22,167 |
| 10 | +1,495 | + 4,4 | − 4,09 | −22,4 | +1 | +1 | 1831 | 37 41,9124 | 29 26,690 |
| 20 | +1,515 | − 0,5 | − 6,23 | −20,3 | +1 | +1 | 1832 | 37 44,5565 | 29 31,216 |
| 30 | +1,486 | − 5,2 | − 8,15 | −17,9 | +1 | 0 | 1833 | 37 47,2006 | 29 35,747 |
| Febr. 9 | +1,411 | − 9,6 | − 9,80 | −15,1 | +2 | 0 | 1834 | 37 49,8447 | 29 40,281 |
| | | | | | | | 1835 | 37 52,4888 | 29 44,818 |
| 19 | +1,295 | −13,2 | −11,16 | −12,1 | +2 | 0 | 1836 | 37 55,1329 | 29 49,360 |
| Mart. 1 | +1,147 | −16,1 | −12,22 | − 9,0 | +2 | 0 | 1837 | 37 57,7770 | 29 53,905 |
| 11 | +0,973 | −18,1 | −12,95 | − 5,8 | +2 | −1 | 1838 | 38 0,4211 | 29 58,454 |
| 21 | +0,785 | −19,1 | −13,37 | − 2,6 | +3 | −1 | 1839 | 38 3,0652 | 30 3,008 |
| 31 | +0,592 | −19,1 | −13,47 | + 0,6 | +2 | −1 | 1840 | 38 5,7094 | 30 7,565 |
| | | | | | | | 1841 | 38 8,3535 | 30 12,125 |
| Apr. 10 | +0,404 | −18,0 | −13,26 | + 3,7 | +2 | −1 | 1842 | 38 10,9976 | 30 16,690 |
| 20 | +0,232 | −16,2 | −12,74 | + 6,7 | +2 | −2 | 1843 | 38 13,6417 | 30 21,258 |
| 30 | +0,081 | −13,6 | −11,93 | + 9,5 | +2 | −2 | 1844 | 38 16,2858 | 30 25,830 |
| Maj. 10 | −0,040 | −10,4 | −10,85 | +12,1 | +2 | −2 | 1845 | 38 18,9301 | 30 30,406 |
| 20 | −0,127 | − 6,9 | − 9,52 | +14,5 | +2 | −2 | 1846 | 38 21,5742 | 30 34,985 |
| | | | | | | | 1847 | 38 24,2183 | 30 39,569 |
| 30 | −0,177 | − 3,0 | − 7,96 | +16,6 | +1 | −3 | 1848 | 38 26,8624 | 30 44,156 |
| Jun. 9 | −0,187 | + 1,0 | − 6,20 | +18,3 | +1 | −3 | 1849 | 38 29,5065 | 30 48,747 |
| 19 | −0,158 | + 4,8 | − 4,30 | +19,6 | 0 | −3 | 1850 | 38 32,1508 | 30 53,342 |
| 29 | −0,091 | + 8,6 | − 2,29 | +20,3 | 0 | −3 | | | |
| Jul. 9 | +0,013 | +11,7 | − 0,24 | +20,5 | 0 | −3 | | | |
| 19 | +0,152 | +14,9 | + 1,80 | +20,0 | −1 | −3 | | | |
| 29 | +0,321 | +18,3 | + 3,76 | +18,9 | −1 | −3 | | | |
| Aug. 8 | +0,518 | +20,9 | + 5,57 | +17,0 | −1 | −3 | | | |
| 18 | +0,739 | +23,1 | + 7,16 | +14,6 | −2 | −3 | | | |
| 28 | +0,980 | +25,0 | + 8,48 | +11,5 | −2 | −3 | | | |
| Sept. 7 | +1,239 | +26,6 | + 9,45 | + 7,8 | −2 | −3 | | | |
| 17 | +1,512 | +27,8 | +10,03 | + 3,7 | −2 | −3 | | | |
| 27 | +1,795 | +28,7 | +10,18 | − 0,8 | −2 | −3 | | | |
| Oct. 7 | +2,085 | +29,1 | + 9,88 | − 5,2 | −2 | −3 | | | |
| 17 | +2,376 | +29,0 | + 9,15 | − 9,5 | −2 | −2 | | | |
| 27 | +2,665 | +28,5 | + 7,98 | −13,6 | −2 | −2 | | | |
| Nov. 6 | +2,946 | +27,4 | + 6,43 | −17,2 | −2 | −2 | | | |
| 16 | +3,213 | +25,6 | + 4,55 | −20,2 | −2 | −2 | | | |
| 26 | +3,458 | +23,2 | + 2,40 | −22,5 | −1 | −2 | | | |
| Dec. 6 | +3,676 | +20,1 | + 0,06 | −23,9 | −1 | −2 | | | |
| 16 | +3,860 | +16,8 | − 2,37 | −24,5 | −1 | −2 | | | |
| 26 | +4,004 | +12,1 | − 4,83 | −24,2 | 0 | −2 | | | |
| 36 | +4,102 | + 7,5 | − 7,22 | −23,4 | 0 | −3 | | | |

Diei reducto addendum est:

ante } Jun. 30 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Geminorum.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 7 23 43,766 | +32 15 0,78 | 1840 | Jan. 1 | 7 24 23,043 | +32 14 3,16 |
| | Apr. 10 | 43,648 | 1,14 | | Apr. 10 | 23,146 | 2,66 |
| | Jul. 19 | 43,534 | 1,56 | | Jul. 19 | 23,243 | 2,12 |
| | Oct. 27 | 43,426 | 2,04 | | Oct. 27 | 23,334 | 1,52 |
| | Dec. 66 | 43,322 | 2,59 | | Dec. 66 | 23,418 | 0,88 |
| 1831 | Jan. 0 | 7 23 47,198 | +32 14 55,15 | 1841 | Jan. 0 | 7 24 27,232 | +32 13 53,81 |
| | Apr. 10 | 47,099 | 55,74 | | Apr. 10 | 27,311 | 53,14 |
| | Jul. 19 | 47,007 | 56,37 | | Jul. 19 | 27,382 | 52,43 |
| | Oct. 27 | 46,924 | 57,04 | | Oct. 27 | 27,444 | 51,70 |
| | Dec. 66 | 46,848 | 57,76 | | Dec. 66 | 27,498 | 50,93 |
| 1832 | Jan. 1 | 7 23 50,714 | +32 14 50,27 | 1842 | Jan. 0 | 7 24 31,322 | +32 13 43,89 |
| | Apr. 10 | 50,645 | 51,01 | | Apr. 10 | 31,369 | 43,11 |
| | Jul. 19 | 50,586 | 51,77 | | Jul. 19 | 31,406 | 42,32 |
| | Oct. 27 | 50,537 | 52,55 | | Oct. 27 | 31,433 | 41,52 |
| | Dec. 66 | 50,498 | 53,35 | | Dec. 66 | 31,449 | 40,72 |
| 1833 | Jan. 0 | 7 23 54,351 | +32 14 45,83 | 1843 | Jan. 0 | 7 24 35,286 | +32 13 33,68 |
| | Apr. 10 | 54,319 | 46,64 | | Apr. 10 | 35,294 | 32,88 |
| | Jul. 19 | 54,299 | 47,44 | | Jul. 19 | 35,292 | 32,10 |
| | Oct. 27 | 54,290 | 48,24 | | Oct. 27 | 35,279 | 31,33 |
| | Dec. 66 | 54,292 | 49,03 | | Dec. 66 | 35,256 | 30,58 |
| 1834 | Jan. 0 | 7 23 58,132 | +32 14 41,51 | 1844 | Jan. 1 | 7 24 39,105 | +32 13 23,51 |
| | Apr. 10 | 58,141 | 42,29 | | Apr. 10 | 39,074 | 22,78 |
| | Jul. 19 | 58,161 | 43,04 | | Jul. 19 | 39,033 | 22,09 |
| | Oct. 27 | 58,191 | 43,76 | | Oct. 27 | 38,981 | 21,44 |
| | Dec. 66 | 58,232 | 44,46 | | Dec. 66 | 38,918 | 20,82 |
| 1835 | Jan. 0 | 7 24 2,059 | +32 14 36,97 | 1845 | Jan. 0 | 7 24 42,781 | +32 13 13,70 |
| | Apr. 10 | 2,107 | 37,64 | | Apr. 10 | 42,712 | 13,13 |
| | Jul. 19 | 2,164 | 38,26 | | Jul. 19 | 42,635 | 12,61 |
| | Oct. 27 | 2,230 | 38,83 | | Oct. 27 | 42,549 | 12,15 |
| | Dec. 66 | 2,305 | 39,35 | | Dec. 66 | 42,455 | 11,75 |
| 1836 | Jan. 1 | 7 24 6,120 | +32 14 31,91 | 1846 | Jan. 0 | 7 24 46,327 | +32 13 4,55 |
| | Apr. 10 | 6,201 | 32,40 | | Apr. 10 | 46,228 | 4,20 |
| | Jul. 19 | 6,288 | 32,82 | | Jul. 19 | 46,124 | 3,92 |
| | Oct. 27 | 6,381 | 33,17 | | Oct. 27 | 46,014 | 3,71 |
| | Dec. 66 | 6,481 | 33,46 | | Dec. 66 | 45,899 | 3,58 |
| 1837 | Jan. 0 | 7 24 10,289 | +32 14 26,09 | 1847 | Jan. 0 | 7 24 49,778 | +32 12 56,29 |
| | Apr. 10 | 10,392 | 26,35 | | Apr. 10 | 49,661 | 56,21 |
| | Jul. 19 | 10,499 | 26,53 | | Jul. 19 | 49,541 | 56,20 |
| | Oct. 27 | 10,610 | 26,64 | | Oct. 27 | 49,420 | 56,27 |
| | Dec. 66 | 10,724 | 26,68 | | Dec. 66 | 49,297 | 56,41 |
| 1838 | Jan. 0 | 7 24 14,527 | +32 14 19,39 | 1848 | Jan. 1 | 7 24 53,179 | +32 12 49,02 |
| | Apr. 10 | 14,643 | 19,38 | | Apr. 10 | 53,057 | 49,22 |
| | Jul. 19 | 14,759 | 19,30 | | Jul. 19 | 52,936 | 49,49 |
| | Oct. 27 | 14,875 | 18,15 | | Oct. 27 | 52,819 | 49,83 |
| | Dec. 66 | 14,991 | 18,94 | | Dec. 66 | 52,703 | 50,24 |
| 1839 | Jan. 0 | 7 24 18,793 | +32 14 11,73 | 1849 | Jan. 0 | 7 24 56,581 | +32 12 42,75 |
| | Apr. 10 | 18,909 | 11,47 | | Apr. 10 | 56,469 | 43,21 |
| | Jul. 19 | 19,021 | 11,14 | | Jul. 19 | 56,362 | 43,72 |
| | Oct. 27 | 19,131 | 10,75 | | Oct. 27 | 56,262 | 44,34 |
| | Dec. 66 | 19,237 | 10,29 | | Dec. 66 | 56,167 | 45,02 |

## Tabulae X. Sect. V. α *Geminorum*.

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,576 | +18,8 | — 4,00 | + 3,4 | —1 | —3 |
| 10 | +1,738 | +13,4 | — 3,57 | + 5,1 | —1 | —3 |
| 20 | +1,843 | + 7,6 | — 2,99 | + 6,4 | 0 | —3 |
| 30 | +1,889 | + 1,7 | — 2,29 | + 7,4 | +1 | —4 |
| Febr. 9 | +1,876 | — 4,0 | — 1,52 | + 7,9 | +1 | —4 |
| 19 | +1,810 | — 9,0 | — 0,71 | + 8,0 | +2 | —4 |
| Mart. 1 | +1,697 | —13,3 | + 0,07 | + 7,5 | +3 | —3 |
| 11 | +1,545 | —16,5 | + 0,78 | + 6,6 | +3 | —3 |
| 21 | +1,367 | —18,6 | + 1,39 | + 5,4 | +3 | —3 |
| 31 | +1,174 | —19,5 | + 1,85 | + 3,8 | +4 | —2 |
| Apr. 10 | +0,978 | —19,2 | + 2,15 | + 2,2 | +4 | —2 |
| 20 | +0,790 | —17,8 | + 2,29 | + 0,5 | +4 | —2 |
| 30 | +0,622 | —15,5 | + 2,25 | — 1,2 | +4 | —1 |
| Maj. 10 | +0,480 | —12,4 | + 2,06 | — 2,6 | +3 | —1 |
| 20 | +0,374 | — 8,7 | + 1,73 | — 3,9 | +3 | —1 |
| 30 | +0,306 | — 4,7 | + 1,28 | — 5,0 | +3 | 0 |
| Jun. 9 | +0,281 | — 0,4 | + 0,73 | — 5,9 | +2 | 0 |
| 19 | +0,298 | + 3,9 | + 0,11 | — 6,5 | +1 | 0 |
| 29 | +0,358 | + 8,0 | — 0,56 | — 6,9 | +1 | 0 |
| Jul. 9 | +0,458 | +12,0 | — 1,27 | — 7,3 | 0 | 0 |
| 19 | +0,597 | +15,6 | — 2,01 | — 7,4 | —1 | 0 |
| 29 | +0,770 | +19,0 | — 2,75 | — 7,5 | —1 | 0 |
| Aug. 8 | +0,976 | +21,9 | — 3,51 | — 7,7 | —2 | 0 |
| 18 | +1,211 | +24,8 | — 4,28 | — 7,8 | —3 | —1 |
| 28 | +1,471 | +27,2 | — 5,06 | — 7,8 | —3 | —1 |
| Sept. 7 | +1,754 | +29,3 | — 5,84 | — 7,9 | —4 | —1 |
| 17 | +2,057 | +31,2 | — 6,64 | — 8,0 | —4 | —2 |
| 27 | +2,378 | +32,9 | — 7,44 | — 7,9 | —5 | —2 |
| Oct. 7 | +2,714 | +34,1 | — 8,22 | — 7,8 | —5 | —3 |
| 17 | +3,060 | +35,0 | — 8,99 | — 7,5 | —5 | —4 |
| 27 | +3,413 | +35,4 | — 9,71 | — 6,8 | —5 | —4 |
| Nov. 6 | +3,767 | +35,2 | —10,35 | — 5,9 | —5 | —5 |
| 16 | +4,116 | +34,2 | —10,89 | — 4,7 | —5 | —6 |
| 26 | +4,451 | +32,4 | —11,29 | — 3,2 | —5 | —6 |
| Dec. 6 | +4,764 | +29,8 | —11,53 | — 1,6 | —4 | —7 |
| 16 | +5,047 | +26,3 | —11,60 | + 0,3 | —4 | —7 |
| 26 | +5,289 | +21,9 | —11,47 | + 2,3 | —3 | —7 |
| 36 | +5,484 | +16,8 | —11,15 | + 4,0 | —2 | —8 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 7 23 44,0612 | +32 15 8,881 |
| 1831 | 23 47,9035 | 15 1,635 |
| 1832 | 23 51,7456 | 14 54,384 |
| 1833 | 23 55,5876 | 14 47,128 |
| 1834 | 23 59,4295 | 14 39,866 |
| 1835 | 24 3,2713 | 14 32,599 |
| 1836 | 24 7,1129 | 14 25,327 |
| 1837 | 24 10,9544 | 14 18,049 |
| 1838 | 24 14,7958 | 14 10,766 |
| 1839 | 24 18,6371 | 14 3,478 |
| 1840 | 24 22,4782 | 13 56,186 |
| 1841 | 24 26,3192 | 13 48,887 |
| 1842 | 24 30,1601 | 13 41,583 |
| 1843 | 24 34,0009 | 13 34,273 |
| 1844 | 24 37,8415 | 13 26,960 |
| 1845 | 24 41,6821 | 13 19,640 |
| 1846 | 24 45,5225 | 13 12,315 |
| 1847 | 24 49,3628 | 13 4,985 |
| 1848 | 24 53,2029 | 12 57,650 |
| 1849 | 24 57,0429 | 12 50,309 |
| 1850 | 25 0,8828 | 12 42,963 |

Diei reducto addendum est:

ante / post } Jul. 11 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Canis minoris.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1830 | Jan. 0 | 7 30 23,751 | + 5 39 4,76 |
| | Apr. 10 | 23,652 | 5,13 |
| | Jul. 19 | 23,556 | 5,57 |
| | Oct. 27 | 23,463 | 6,06 |
| | Dec. 66 | 23,373 | 6,62 |
| 1831 | Jan. 0 | 7 30 26,550 | + 5 38 57,65 |
| | Apr. 10 | 26,463 | 58,24 |
| | Jul. 19 | 26,382 | 58,88 |
| | Oct. 27 | 26,307 | 59,56 |
| | Dec. 66 | 26,239 | 39 0,29 |
| 1832 | Jan. 1 | 7 30 29,408 | + 5 38 51,25 |
| | Apr. 10 | 29,344 | 52,00 |
| | Jul. 19 | 29,288 | 52,76 |
| | Oct. 27 | 29,240 | 53,55 |
| | Dec. 66 | 29,201 | 54,35 |
| 1833 | Jan. 0 | 7 30 32,360 | + 5 38 45,29 |
| | Apr. 10 | 32,326 | 46,09 |
| | Jul. 19 | 32,301 | 46,89 |
| | Oct. 27 | 32,285 | 47,69 |
| | Dec. 66 | 32,278 | 48,48 |
| 1834 | Jan. 0 | 7 30 35,426 | + 5 38 39,42 |
| | Apr. 10 | 35,426 | 40,20 |
| | Jul. 19 | 35,434 | 40,94 |
| | Oct. 27 | 35,451 | 41,65 |
| | Dec. 66 | 35,477 | 42,33 |
| 1835 | Jan. 0 | 7 30 38,614 | + 5 38 33,31 |
| | Apr. 10 | 38,646 | 33,97 |
| | Jul. 19 | 38,685 | 34,57 |
| | Oct. 27 | 38,733 | 35,13 |
| | Dec. 66 | 38,788 | 35,63 |
| 1836 | Jan. 1 | 7 30 41,915 | + 5 38 26,67 |
| | Apr. 10 | 41,975 | 27,14 |
| | Jul. 19 | 42,041 | 27,54 |
| | Oct. 27 | 42,113 | 27,88 |
| | Dec. 66 | 42,191 | 28,16 |
| 1837 | Jan. 0 | 7 30 45,311 | + 5 38 19,27 |
| | Apr. 10 | 45,392 | 19,50 |
| | Jul. 19 | 45,477 | 19,66 |
| | Oct. 27 | 45,566 | 19,75 |
| | Dec. 66 | 45,658 | 19,77 |
| 1838 | Jan. 0 | 7 30 48,773 | + 5 38 10,96 |
| | Apr. 10 | 48,867 | 10,93 |
| | Jul. 19 | 48,961 | 10,84 |
| | Oct. 27 | 49,057 | 10,67 |
| | Dec. 66 | 49,153 | 10,44 |
| 1839 | Jan. 0 | 7 30 52,267 | + 5 38 1,71 |
| | Apr. 10 | 52,363 | 1,43 |
| | Jul. 19 | 52,457 | 1,09 |
| | Oct. 27 | 52,549 | 0,69 |
| | Dec. 66 | 52,640 | 0,22 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1840 | Jan. 1 | 7 30 55,756 | + 5 37 51,56 |
| | Apr. 10 | 55,845 | 51,05 |
| | Jul. 19 | 55,929 | 50,50 |
| | Oct. 27 | 56,008 | 49,90 |
| | Dec. 66 | 56,083 | 49,25 |
| 1841 | Jan. 0 | 7 30 59,205 | + 5 37 40,65 |
| | Apr. 10 | 59,276 | 39,97 |
| | Jul. 19 | 59,341 | 39,27 |
| | Oct. 27 | 59,399 | 38,54 |
| | Dec. 66 | 59,450 | 37,76 |
| 1842 | Jan. 0 | 7 31 2,580 | + 5 37 29,19 |
| | Apr. 10 | 2,626 | 28,41 |
| | Jul. 19 | 2,664 | 27,63 |
| | Oct. 27 | 2,694 | 26,84 |
| | Dec. 66 | 2,715 | 26,04 |
| 1843 | Jan. 0 | 7 31 5,856 | + 5 37 17,47 |
| | Apr. 10 | 5,872 | 16,68 |
| | Jul. 19 | 5,878 | 15,90 |
| | Oct. 27 | 5,876 | 15,14 |
| | Dec. 66 | 5,864 | 14,40 |
| 1844 | Jan. 1 | 7 31 9,015 | + 5 37 5,81 |
| | Apr. 10 | 8,998 | 5,09 |
| | Jul. 19 | 8,971 | 4,41 |
| | Oct. 27 | 8,936 | 3,77 |
| | Dec. 66 | 8,891 | 3,18 |
| 1845 | Jan. 0 | 7 31 12,053 | + 5 36 54,53 |
| | Apr. 10 | 12,003 | 53,97 |
| | Jul. 19 | 11,946 | 53,47 |
| | Oct. 27 | 11,882 | 53,03 |
| | Dec. 66 | 11,810 | 52,64 |
| 1846 | Jan. 0 | 7 31 14,981 | + 5 36 43,92 |
| | Apr. 10 | 14,905 | 43,58 |
| | Jul. 19 | 14,823 | 43,32 |
| | Oct. 27 | 14,736 | 43,13 |
| | Dec. 66 | 14,644 | 43,02 |
| 1847 | Jan. 0 | 7 31 17,821 | + 5 36 34,20 |
| | Apr. 10 | 17,727 | 34,14 |
| | Jul. 19 | 17,630 | 34,15 |
| | Oct. 27 | 17,532 | 34,24 |
| | Dec. 66 | 17,431 | 34,40 |
| 1848 | Jan. 1 | 7 31 20,611 | + 5 36 25,48 |
| | Apr. 10 | 20,510 | 25,70 |
| | Jul. 19 | 20,410 | 25,99 |
| | Oct. 27 | 20,311 | 26,34 |
| | Dec. 66 | 20,214 | 26,76 |
| 1849 | Jan. 0 | 7 31 23,392 | + 5 36 17,75 |
| | Apr. 10 | 23,296 | 18,22 |
| | Jul. 19 | 23,205 | 18,75 |
| | Oct. 27 | 23,118 | 19,33 |
| | Dec. 66 | 23,035 | 19,97 |

## Tabulae X. Sect. V. *α Canis minoris.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,336 | +16,1 | — 2,37 | —13,3 | —1 | 0 |
| 10 | +1,475 | +11,5 | — 3,63 | —11,9 | 0 | 0 |
| 20 | +1,565 | + 6,5 | — 4,74 | —10,2 | 0 | —1 |
| 30 | +1,605 | + 1,5 | — 5,67 | — 8,4 | +1 | —1 |
| Febr. 9 | +1,595 | — 3,3 | — 6,42 | — 6,6 | +1 | —1 |
| 19 | +1,540 | — 7,6 | — 6,98 | — 4,8 | +2 | —1 |
| Mart. 1 | +1,444 | —11,3 | — 7,38 | — 3,2 | +2 | —2 |
| 11 | +1,315 | —14,0 | — 7,62 | — 1,7 | +2 | —2 |
| 21 | +1,164 | —15,8 | — 7,72 | — 0,4 | +3 | —2 |
| 31 | +1,000 | —16,6 | — 7,70 | + 0,8 | +3 | —2 |
| Apr. 10 | +0,832 | —16,4 | — 7,57 | + 1,9 | +3 | —2 |
| 20 | +0,672 | —15,3 | — 7,33 | + 2,9 | +3 | —2 |
| 30 | +0,526 | —13,5 | — 7,00 | + 3,8 | +3 | —2 |
| Maj. 10 | +0,403 | —11,0 | — 6,58 | + 4,6 | +2 | —2 |
| 20 | +0,307 | — 8,0 | — 6,08 | + 5,3 | +2 | —2 |
| 30 | +0,244 | — 4,6 | — 5,52 | + 6,1 | +2 | —2 |
| Jun. 9 | +0,215 | — 1,2 | — 4,86 | + 6,9 | +1 | —2 |
| 19 | +0,221 | + 2,4 | — 4,15 | + 7,3 | +1 | —2 |
| 29 | +0,262 | + 5,8 | — 3,40 | + 7,6 | +1 | —2 |
| Jul. 9 | +0,336 | + 9,1 | — 2,63 | + 7,7 | 0 | —2 |
| 19 | +0,443 | +12,2 | — 1,87 | + 7,5 | 0 | —2 |
| 29 | +0,579 | +15,0 | — 1,14 | + 6,9 | —1 | —2 |
| Aug. 8 | +0,743 | +17,7 | — 0,49 | + 5,9 | —1 | —2 |
| 18 | +0,932 | +20,0 | + 0,04 | + 4,6 | —2 | —2 |
| 28 | +1,143 | +22,2 | + 0,43 | + 3,0 | —2 | —2 |
| Sept. 7 | +1,375 | +24,2 | + 0,63 | + 0,9 | —2 | —2 |
| 17 | +1,627 | +26,0 | + 0,61 | — 1,4 | —3 | —2 |
| 27 | +1,894 | +27,4 | + 0,35 | — 3,8 | —3 | —2 |
| Oct. 7 | +2,175 | +28,7 | — 0,15 | — 6,3 | —3 | —2 |
| 17 | +2,468 | +29,6 | — 0,90 | — 8,7 | —3 | —3 |
| 27 | +2,767 | +30,1 | — 1,88 | —10,8 | —3 | —3 |
| Nov. 6 | +3,069 | +30,0 | — 3,06 | —12,7 | —3 | —3 |
| 16 | +3,366 | +29,3 | — 4,41 | —14,0 | —3 | —3 |
| 26 | +3,654 | +27,8 | — 5,86 | —14,8 | —3 | —3 |
| Dec. 6 | +3,922 | +25,6 | — 7,37 | —15,1 | —2 | —4 |
| 16 | +4,165 | +22,6 | — 8,88 | —14,8 | —2 | —4 |
| 26 | +4,373 | +18,8 | —10,33 | —14,0 | —2 | —4 |
| 36 | +4,540 | +14,4 | —11,68 | —12,8 | —1 | —5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 7 30 23 9063 | + 5 39 12,741 |
| 1831 | 30 27,0530 | 39 3,960 |
| 1832 | 30 30,1997 | 38 55,175 |
| 1833 | 30 33,3464 | 38 46,386 |
| 1834 | 30 36,4930 | 38 37,592 |
| 1835 | 30 39,6395 | 38 28,793 |
| 1836 | 30 42,7860 | 38 19,991 |
| 1837 | 30 45,9325 | 38 11,185 |
| 1838 | 30 49,0789 | 38 2,374 |
| 1839 | 30 52,2253 | 37 53,559 |
| 1840 | 30 55,3717 | 37 44,739 |
| 1841 | 30 58,5180 | 37 35,918 |
| 1842 | 31 1,6642 | 37 27,089 |
| 1843 | 31 4,8104 | 37 18,257 |
| 1844 | 31 7,9566 | 37 9,421 |
| 1845 | 31 11,1027 | 37 0,580 |
| 1846 | 31 14 2488 | 36 51,736 |
| 1847 | 31 17,3948 | 36 42,887 |
| 1848 | 31 20,5408 | 36 34,034 |
| 1849 | 31 23,6867 | 36 25,177 |
| 1850 | 31 26,8326 | 36 16,316 |

Diei reducto addendum est:

ante } Jul. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β Geminorum.

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 7 34 53,783 | +28 25 36,53 | 1840 | Jan. 1 | 7 35 31,453 | +28 24 29,54 |
| | Apr. 10 | 53,669 | 36,91 | | Apr. 10 | 31,553 | 29,03 |
| | Jul. 19 | 53,559 | 37,36 | | Jul. 19 | 31,647 | 28,47 |
| | Oct. 27 | 53,454 | 37,86 | | Oct. 27 | 31,735 | 27,86 |
| | Dec. 66 | 53,354 | 38,43 | | Dec. 66 | 31,816 | 27,20 |
| 1831 | Jan. 0 | 7 34 57,071 | +28 25 30,09 | 1841 | Jan. 0 | 7 35 35,473 | +28 24 19,24 |
| | Apr. 10 | 56,975 | 30,69 | | Apr. 10 | 35,550 | 18,56 |
| | Jul. 19 | 56,886 | 31,34 | | Jul. 19 | 35,619 | 17,85 |
| | Oct. 27 | 56,804 | 32,02 | | Oct. 27 | 35,679 | 17,11 |
| | Dec. 66 | 56,732 | 32,75 | | Dec. 66 | 35,731 | 16,34 |
| 1832 | Jan. 1 | 7 35 0,440 | +28 25 24,36 | 1842 | Jan. 0 | 7 35 39,398 | +28 24 8,41 |
| | Apr. 10 | 0,373 | 25,11 | | Apr. 10 | 39,444 | 7,63 |
| | Jul. 19 | 0,315 | 25,88 | | Jul. 19 | 39,479 | 6,85 |
| | Oct. 27 | 0,268 | 26,66 | | Oct. 27 | 39,505 | 6,06 |
| | Dec. 66 | 0,230 | 27,46 | | Dec. 66 | 39,520 | 5,26 |
| 1833 | Jan. 0 | 7 35 3,926 | +28 25 19,04 | 1843 | Jan. 0 | 7 35 43,199 | +28 23 57,33 |
| | Apr. 10 | 3,895 | 19,84 | | Apr. 10 | 43,209 | 56,54 |
| | Jul. 19 | 3,875 | 20,64 | | Jul. 19 | 43,206 | 55,77 |
| | Oct. 27 | 3,866 | 21,43 | | Oct. 27 | 43,193 | 55,02 |
| | Dec. 66 | 3,868 | 22,21 | | Dec. 66 | 43,170 | 54,28 |
| 1834 | Jan. 0 | 7 35 7,550 | +28 25 13,80 | 1844 | Jan. 1 | 7 35 46,862 | +28 23 46,32 |
| | Apr. 10 | 7,559 | 14,57 | | Apr. 10 | 46,832 | 45,61 |
| | Jul. 19 | 7,578 | 15,31 | | Jul. 19 | 46,792 | 44,94 |
| | Oct. 27 | 7,607 | 16,01 | | Oct. 27 | 46,742 | 44,31 |
| | Dec. 66 | 7,647 | 16,69 | | Dec. 66 | 46,681 | 43,73 |
| 1835 | Jan. 0 | 7 35 11,316 | +28 25 8,31 | 1845 | Jan. 0 | 7 35 50,385 | +28 23 35,71 |
| | Apr. 10 | 11,363 | 8,96 | | Apr. 10 | 50,319 | 35,16 |
| | Jul. 19 | 11,418 | 9,55 | | Jul. 19 | 50,244 | 34,67 |
| | Oct. 27 | 11,482 | 10,10 | | Oct. 27 | 50,161 | 34,24 |
| | Dec. 66 | 11,554 | 10,59 | | Dec. 66 | 50,070 | 33,87 |
| 1836 | Jan. 1 | 7 35 15,213 | +28 25 2,26 | 1846 | Jan. 0 | 7 35 53,784 | +28 23 25,78 |
| | Apr. 10 | 15,291 | 2,72 | | Apr. 10 | 53,688 | 25,46 |
| | Jul. 19 | 15,375 | 3,11 | | Jul. 19 | 53,587 | 25,21 |
| | Oct. 27 | 15,465 | 3,44 | | Oct. 27 | 53,481 | 25,03 |
| | Dec. 66 | 15,562 | 3,70 | | Dec. 66 | 53,369 | 24,93 |
| 1837 | Jan. 0 | 7 35 19,213 | +28 24 55,46 | 1847 | Jan. 0 | 7 35 57,090 | +28 23 16,74 |
| | Apr. 10 | 19,313 | 55,68 | | Apr. 10 | 56,976 | 16,69 |
| | Jul. 19 | 19,417 | 55,82 | | Jul. 19 | 56,860 | 16,71 |
| | Oct. 27 | 19,524 | 55,90 | | Oct. 27 | 56,743 | 16,81 |
| | Dec. 66 | 19,634 | 55,91 | | Dec. 66 | 56,624 | 16,99 |
| 1838 | Jan. 0 | 7 35 23,280 | +28 24 47,74 | 1848 | Jan. 1 | 7 36 0,346 | +28 23 8,70 |
| | Apr. 10 | 23,392 | 47,70 | | Apr. 10 | 0,227 | 8,93 |
| | Jul. 19 | 23,504 | 47,60 | | Jul. 19 | 0,111 | 9,23 |
| | Oct. 27 | 23,616 | 47,42 | | Oct. 27 | 35 59,997 | 9,59 |
| | Dec. 66 | 23,729 | 47,17 | | Dec. 66 | 59,886 | 10,02 |
| 1839 | Jan. 0 | 7 35 27,375 | +28 24 39,09 | 1849 | Jan. 0 | 7 36 3,605 | +28 23 1,65 |
| | Apr. 10 | 27,486 | 38,78 | | Apr. 10 | 3,496 | 2,12 |
| | Jul. 19 | 27,595 | 38,44 | | Jul. 19 | 3,393 | 2,66 |
| | Oct. 27 | 27,701 | 38,01 | | Oct. 27 | 3,296 | 3,24 |
| | Dec. 66 | 27,804 | 37,55 | | Dec. 66 | 3,205 | 3,88 |

## Tabulae X. Sect. V. β *Geminorum.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +1,499 | +19,3 | − 4,24 | + 0,6 | −1 | −2 |
| 10 | +1,666 | +14,0 | − 4,09 | + 2,3 | −1 | −3 |
| 20 | +1,779 | + 8,5 | − 3,78 | + 3,9 | 0 | −3 |
| 30 | +1,835 | + 2,8 | − 3,32 | + 5,2 | +1 | −3 |
| Febr. 9 | +1,834 | − 2,7 | − 2,75 | + 6,1 | +1 | −3 |
| 19 | +1,781 | − 7,7 | − 2,11 | + 6,5 | +2 | −3 |
| Mart. 1 | +1,681 | −12,0 | − 1,45 | + 6,5 | +2 | −3 |
| 11 | +1,542 | −15,3 | − 0,82 | + 6,0 | +3 | −3 |
| 21 | +1,376 | −17,4 | − 0,25 | + 5,2 | +3 | −3 |
| 31 | +1,194 | −18,5 | + 0,22 | + 4,1 | +3 | −2 |
| Apr. 10 | +1,007 | −18,4 | + 0,57 | + 2,9 | +4 | −2 |
| 20 | +0,826 | −17,3 | + 0,79 | + 1,6 | +4 | −2 |
| 30 | +0,661 | −15,2 | + 0,88 | + 0,2 | +3 | −1 |
| Maj. 10 | +0,522 | −12,4 | + 0,83 | − 1,0 | +3 | −1 |
| 20 | +0,413 | − 9,1 | + 0,68 | − 2,1 | +3 | −1 |
| 30 | +0,340 | − 5,3 | + 0,41 | − 3,1 | +2 | −1 |
| Jun. 9 | +0,307 | − 1,3 | + 0,07 | − 3,8 | +2 | 0 |
| 19 | +0,314 | + 2,7 | − 0,35 | − 4,5 | +1 | 0 |
| 29 | +0,360 | + 6,6 | − 0,82 | − 4,9 | +1 | 0 |
| Jul. 9 | +0,445 | +10,4 | − 1,33 | − 5,3 | 0 | 0 |
| 19 | +0,567 | +13,9 | − 1,87 | − 5,6 | 0 | 0 |
| 29 | +0,722 | +17,1 | − 2,45 | − 5,9 | −1 | 0 |
| Aug. 8 | +0,908 | +20,1 | − 3,05 | − 6,2 | −2 | 0 |
| 18 | +1,123 | +22,8 | − 3,69 | − 6,6 | −2 | −1 |
| 28 | +1,363 | +25,2 | − 4,37 | − 7,0 | −3 | −1 |
| Sept. 7 | +1,626 | +27,4 | − 5,09 | − 7,5 | −3 | −1 |
| 17 | +1,911 | +29,4 | − 5,86 | − 7,9 | −4 | −2 |
| 27 | +2,214 | +31,1 | − 6,67 | − 8,3 | −4 | −2 |
| Oct. 7 | +2,532 | +32,5 | − 7,51 | − 8,5 | −5 | −3 |
| 17 | +2,864 | +33,6 | − 8,36 | − 8,5 | −5 | −3 |
| 27 | +3,203 | +34,2 | − 9,21 | − 8,4 | −5 | −4 |
| Nov. 6 | +3,547 | +34,2 | −10,03 | − 7,9 | −5 | −4 |
| 16 | +3,887 | +33,5 | −10,78 | − 7,0 | −5 | −5 |
| 26 | +4,216 | +31,9 | −11,42 | − 5,7 | −4 | −5 |
| Dec. 6 | +4,525 | +29,6 | −11,92 | − 4,3 | −4 | −6 |
| 16 | +4,807 | +26,4 | −12,27 | − 2,6 | −4 | −7 |
| 26 | +5,052 | +22,2 | −12,43 | − 0,7 | −3 | −7 |
| 36 | +5,251 | +17,4 | −12,40 | + 1,3 | −2 | −7 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 7 34 54,0688 | +28 25 44,428 |
| 1831 | 34 57,7532 | 25 36,290 |
| 1832 | 35 1,4375 | 25 28,147 |
| 1833 | 35 5,1216 | 25 19,999 |
| 1834 | 35 8,8056 | 25 11,846 |
| 1835 | 35 12,4895 | 25 3,687 |
| 1836 | 35 16,1733 | 24 55,524 |
| 1837 | 35 19,8570 | 24 47,356 |
| 1838 | 35 23,5405 | 24 39,184 |
| 1839 | 35 27,2239 | 24 31,007 |
| 1840 | 35 30,9072 | 24 22,825 |
| 1841 | 35 34,5904 | 24 14,638 |
| 1842 | 35 38,2734 | 24 6,446 |
| 1843 | 35 41,9563 | 23 58,249 |
| 1844 | 35 45,6391 | 23 50,047 |
| 1845 | 35 49,3218 | 23 41,839 |
| 1846 | 35 53,0044 | 23 33,627 |
| 1847 | 35 56,6868 | 23 25,410 |
| 1848 | 36 0,3691 | 23 17,188 |
| 1849 | 36 4,0513 | 23 8,961 |
| 1850 | 36 7,7334 | 23 0,731 |

Diei reducto addendum est:

ante } Jul. 14 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Hydrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 9 19 13,832 | — 7 55 39,72 | 1840 | Jan. 1 | 9 19 43,639 | — 7 58 4,05 |
| | Apr. 10 | 13,739 | 39,15 | | Apr. 10 | 43,724 | 4,68 |
| | Jul. 19 | 13,648 | 38,54 | | Jul. 19 | 43,805 | 5,33 |
| | Oct. 27 | 13,559 | 37,90 | | Oct. 27 | 43,883 | 5,00 |
| | Dec. 66 | 13,473 | 37,23 | | Dec. 66 | 43,957 | 6,69 |
| 1831 | Jan. 0 | 9 19 16,449 | — 7 55 52,76 | 1841 | Jan. 0 | 9 19 46,880 | — 7 58 21,79 |
| | Apr. 10 | 16,365 | 52,07 | | Apr. 10 | 46,951 | 22,49 |
| | Jul. 19 | 16,286 | 51,37 | | Jul. 19 | 47,016 | 23,19 |
| | Oct. 27 | 16,212 | 50,66 | | Oct. 27 | 47,076 | 23,89 |
| | Dec. 66 | 16,143 | 49,94 | | Dec. 66 | 47,130 | 24,59 |
| 1832 | Jan. 1 | 9 19 19,113 | — 7 56 5,49 | 1842 | Jan. 0 | 9 19 50,060 | — 7 58 39,69 |
| | Apr. 10 | 19,048 | 4,76 | | Apr. 10 | 50,109 | 40,38 |
| | Jul. 19 | 18,990 | 4,05 | | Jul. 19 | 50,151 | 41,05 |
| | Oct. 27 | 18,939 | 3,35 | | Oct. 27 | 50,186 | 41,70 |
| | Dec. 66 | 18,895 | 2,66 | | Dec. 66 | 50,214 | 42,33 |
| 1833 | Jan. 0 | 9 19 21,856 | — 7 56 18,20 | 1843 | Jan. 0 | 9 19 53,152 | — 7 58 57,46 |
| | Apr. 10 | 21,817 | 17,52 | | Apr. 10 | 53,174 | 58,07 |
| | Jul. 19 | 21,787 | 16,88 | | Jul. 19 | 53,188 | 58,64 |
| | Oct. 27 | 21,765 | 16,27 | | Oct. 27 | 53,194 | 59,16 |
| | Dec. 66 | 21,751 | 15,69 | | Dec. 66 | 53,191 | 59,65 |
| 1834 | Jan. 0 | 9 19 24,702 | — 7 56 31,19 | 1844 | Jan. 1 | 9 19 56,140 | — 7 59 14,83 |
| | Apr. 10 | 24,693 | 30,64 | | Apr. 10 | 56,132 | 15,28 |
| | Jul. 19 | 24,693 | 30,14 | | Jul. 19 | 56,115 | 15,68 |
| | Oct. 27 | 24,701 | 29,69 | | Oct. 27 | 56,090 | 16,03 |
| | Dec. 66 | 24,718 | 29,29 | | Dec. 66 | 56,056 | 16,32 |
| 1835 | Jan. 0 | 9 19 27,659 | — 7 56 44,73 | 1845 | Jan. 0 | 9 19 59,015 | — 7 59 31,57 |
| | Apr. 10 | 27,681 | 44,37 | | Apr. 10 | 58,976 | 31,81 |
| | Jul. 19 | 27,710 | 44,06 | | Jul. 19 | 58,930 | 31,98 |
| | Oct. 27 | 27,747 | 43,81 | | Oct. 27 | 58,877 | 32,09 |
| | Dec. 66 | 27,792 | 43,62 | | Dec. 66 | 58,816 | 32,14 |
| 1836 | Jan. 1 | 9 19 30,723 | — 7 56 58,99 | 1846 | Jan. 0 | 9 20 1,784 | — 7 59 47,48 |
| | Apr. 10 | 30,773 | 58,85 | | Apr. 10 | 1,719 | 47,48 |
| | Jul. 19 | 30,828 | 58,77 | | Jul. 19 | 1,648 | 47,41 |
| | Oct. 27 | 30,889 | 58,75 | | Oct. 27 | 1,572 | 47,27 |
| | Dec. 66 | 30,956 | 58,79 | | Dec. 66 | 1,491 | 47,07 |
| 1837 | Jan. 0 | 9 19 33,880 | — 7 57 14,09 | 1847 | Jan. 0 | 9 20 4,465 | — 8 0 2,49 |
| | Apr. 10 | 33,951 | 14,17 | | Apr. 10 | 4,381 | 2,24 |
| | Jul. 19 | 34,026 | 14,32 | | Jul. 19 | 4,294 | 1,94 |
| | Oct. 27 | 34,105 | 14,53 | | Oct. 27 | 4,204 | 1,57 |
| | Dec. 66 | 34,187 | 14,80 | | Dec. 66 | 4,112 | 1,15 |
| 1838 | Jan. 0 | 9 19 37,106 | — 7 57 30,02 | 1848 | Jan. 1 | 9 20 7,090 | — 8 0 16,64 |
| | Apr. 10 | 37,191 | 30,33 | | Apr. 10 | 6,998 | 16,18 |
| | Jul. 19 | 37,277 | 30,69 | | Jul. 19 | 6,905 | 15,67 |
| | Oct. 27 | 37,364 | 31,10 | | Oct. 27 | 6,813 | 15,11 |
| | Dec. 66 | 37,453 | 31,57 | | Dec. 66 | 6,720 | 14,51 |
| 1839 | Jan. 0 | 9 19 40,371 | — 7 57 46,73 | 1849 | Jan. 0 | 9 20 9,698 | — 8 0 30,07 |
| | Apr. 10 | 40,460 | 47,23 | | Apr. 10 | 9,607 | 29,44 |
| | Jul. 19 | 40,548 | 47,76 | | Jul. 19 | 9,519 | 28,79 |
| | Oct. 27 | 40,635 | 48,33 | | Oct. 27 | 9,435 | 28,11 |
| | Dec. 66 | 40,721 | 48,94 | | Dec. 66 | 9,354 | 27,41 |

## Tabulae X. Sect. V. *α Hydrae.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +1,052 | +24,7 | + 0,04 | −22,6 | −2 | +2 | 1830 | 9 19 13,8907 | − 7 55 34,546 |
| 10 | +1,280 | +20,7 | − 2,19 | −21,3 | −1 | +1 | 1831 | 19 16,8380 | 55 49,848 |
| 20 | +1,466 | +16,2 | − 4,31 | −20,4 | −1 | +1 | 1832 | 19 19,7853 | 56 5,153 |
| 30 | +1,604 | +11,3 | − 6,27 | −18,6 | 0 | +1 | 1833 | 19 22,7326 | 56 20,460 |
| Febr. 9 | +1,692 | + 6,4 | − 8,02 | −16,4 | 0 | 0 | 1834 | 19 25,6799 | 56 35,770 |
| | | | | | | | 1835 | 19 28,6271 | 56 51,082 |
| 19 | +1,731 | + 1,6 | − 9,54 | −14,0 | +1 | 0 | 1836 | 19 31,5743 | 57 6,397 |
| Mart. 1 | +1,724 | − 2,8 | −10,82 | −11,5 | +1 | 0 | 1837 | 19 34,5215 | 57 21,716 |
| 11 | +1,675 | − 6,7 | −11,84 | − 8,9 | +1 | −1 | 1838 | 19 37,4687 | 57 37,036 |
| 21 | +1,591 | − 9,8 | −12,60 | − 6,5 | +2 | −1 | 1839 | 19 40,4159 | 57 52,360 |
| 31 | +1,480 | −12,0 | −13,13 | − 4,1 | +2 | −1 | 1840 | 19 43,3631 | 58 7,686 |
| | | | | | | | 1841 | 19 46,3103 | 58 23,015 |
| Apr. 10 | +1,351 | −13,4 | −13,42 | − 1,8 | +2 | −2 | 1842 | 19 49,2574 | 58 38,347 |
| 20 | +1,212 | −14,1 | −13,49 | + 0,3 | +3 | −2 | 1843 | 19 52,2045 | 58 53,681 |
| 30 | +1,070 | −14,0 | −13,36 | + 2,3 | +3 | −2 | 1844 | 19 55,1516 | 59 9,019 |
| Maj. 10 | +0,933 | −13,2 | −13,03 | + 4,2 | +3 | −2 | 1845 | 19 58,0987 | 59 24,359 |
| 20 | +0,807 | −11,9 | −12,52 | + 6,0 | +3 | −2 | 1846 | 20 1,0458 | 59 39,701 |
| | | | | | | | 1847 | 20 3,9929 | 59 55,047 |
| 30 | +0,695 | −10,2 | −11,84 | + 7,6 | +3 | −2 | 1848 | 20 6,9400 | − 8 0 10,395 |
| Jun. 9 | +0,603 | − 8,2 | −11,01 | + 9,0 | +2 | −3 | 1849 | 20 9,8870 | 0 25,745 |
| 19 | +0,532 | − 6,0 | −10,05 | +10,1 | +2 | −3 | 1850 | 20 12,8340 | 0 41,099 |
| 29 | +0,484 | − 3,6 | − 8,99 | +11,0 | +2 | −3 | | | |
| Jul. 9 | +0,461 | − 1,0 | − 7,85 | +11,7 | +1 | −3 | | | |
| 19 | +0,464 | + 1,6 | − 6,66 | +11,9 | +1 | −3 | | | |
| 29 | +0,493 | + 4,2 | − 5,48 | +11,6 | +1 | −3 | | | |
| Aug. 8 | +0,548 | + 6,9 | − 4,34 | +11,0 | 0 | −2 | | | |
| 18 | +0,631 | + 9,7 | − 3,29 | + 9,7 | 0 | −2 | | | |
| 28 | +0,742 | +12,6 | − 2,40 | + 7,9 | −1 | −2 | | | |
| Sept. 7 | +0,882 | +15,5 | − 1,71 | + 5,7 | −1 | −2 | | | |
| 17 | +1,051 | +18,4 | − 1,27 | + 3,0 | −2 | −2 | | | |
| 27 | +1,249 | +21,2 | − 1,12 | − 0,2 | −2 | −2 | | | |
| Oct. 7 | +1,475 | +24,0 | − 1,31 | − 3,7 | −2 | −1 | | | |
| 17 | +1,729 | +26,6 | − 1,85 | − 7,2 | −3 | −1 | | | |
| 27 | +2,007 | +28,8 | − 2,74 | −10,7 | −3 | −1 | | | |
| Nov. 6 | +2,305 | +30,5 | − 3,98 | −14,0 | −3 | −1 | | | |
| 16 | +2,617 | +31,5 | − 5,54 | −17,0 | −3 | −1 | | | |
| 26 | +2,935 | +31,7 | − 7,37 | −19,4 | −3 | −1 | | | |
| Dec. 6 | +3,251 | +31,0 | − 9,41 | −21,2 | −3 | −1 | | | |
| 16 | +3,555 | +29,3 | −11,60 | −22,3 | −3 | −1 | | | |
| 26 | +3,837 | +26,7 | −13,87 | −22,7 | −2 | −1 | | | |
| 36 | +4,089 | +23,3 | −16,13 | −22,4 | −2 | −1 | | | |

Diei reducto addendum est:

ante } Aug. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Leonis.*

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1830 | Jan. 0 | 9 59 18,324 | +12 47 36,56 |
| | Apr. 10 | 18,225 | 37,17 |
| | Jul. 19 | 18,130 | 37,81 |
| | Oct. 27 | 18,039 | 38,46 |
| | Dec. 66 | 17,953 | 39,14 |
| 1831 | Jan. 0 | 9 59 21,186 | +12 47 21,58 |
| | Apr. 10 | 21,103 | 22,27 |
| | Jul. 19 | 21,027 | 22,95 |
| | Oct. 27 | 20,957 | 23,63 |
| | Dec. 66 | 20,894 | 24,31 |
| 183 | Jan. 1 | 9 59 24,119 | +12 47 6,75 |
| | Apr. 10 | 24,061 | 7,42 |
| | Jul. 19 | 24,012 | 8,07 |
| | Oct. 27 | 23,971 | 8,70 |
| | Dec. 66 | 23,939 | 9,31 |
| 1833 | Jan. 0 | 9 59 27,153 | +12 46 51,77 |
| | Apr. 10 | 27,128 | 52,35 |
| | Jul. 19 | 27,111 | 52,90 |
| | Oct. 27 | 27,104 | 53,40 |
| | Dec. 66 | 27,105 | 53,87 |
| 1834 | Jan. 0 | 9 59 30,307 | +12 46 36,38 |
| | Apr. 10 | 30,315 | 36,81 |
| | Jul. 19 | 30,332 | 37,19 |
| | Oct. 27 | 30,358 | 37,52 |
| | Dec. 66 | 30,393 | 37,79 |
| 1835 | Jan. 0 | 9 59 33,584 | +12 46 20,36 |
| | Apr. 10 | 33,625 | 20,60 |
| | Jul. 19 | 33,673 | 20,77 |
| | Oct. 27 | 33,728 | 20,89 |
| | Dec. 66 | 33,791 | 20,94 |
| 1836 | Jan. 1 | 9 59 36,973 | +12 46 3,58 |
| | Apr. 10 | 37,041 | 3,59 |
| | Jul. 19 | 37,114 | 3,55 |
| | Oct. 27 | 37,192 | 3,44 |
| | Dec. 66 | 37,276 | 3,28 |
| 1837 | Jan. 0 | 9 59 40,451 | +12 45 45,99 |
| | Apr. 10 | 40,538 | 45,79 |
| | Jul. 19 | 40,628 | 45,53 |
| | Oct. 27 | 40,721 | 45,21 |
| | Dec. 66 | 40,816 | 44,86 |
| 1838 | Jan. 0 | 9 59 43,988 | +12 45 27,63 |
| | Apr. 10 | 44,085 | 27,24 |
| | Jul. 19 | 44,182 | 26,80 |
| | Oct. 27 | 44,279 | 26,32 |
| | Dec. 66 | 44,376 | 25,80 |
| 1839 | Jan. 0 | 9 59 47,547 | +12 45 8,62 |
| | Apr. 10 | 47,643 | 8,07 |
| | Jul. 19 | 47,737 | 7,50 |
| | Oct. 27 | 47,828 | 6,90 |
| | Dec. 66 | 47,916 | 6,27 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1840 | Jan. 1 | 9 59 51,090 | +12 44 49,13 |
| | Apr. 10 | 51,176 | 48,49 |
| | Jul. 19 | 51,257 | 47,84 |
| | Oct. 27 | 51,333 | 47,18 |
| | Dec. 66 | 51,403 | 46,51 |
| 1841 | Jan. 0 | 9 59 54,583 | +12 44 29,38 |
| | Apr. 10 | 54,450 | 28,71 |
| | Jul. 19 | 54,709 | 28,06 |
| | Oct. 27 | 54,761 | 27,41 |
| | Dec. 66 | 54,805 | 26,78 |
| 1842 | Jan. 0 | 9 59 57,994 | +12 44 9,63 |
| | Apr. 10 | 58,033 | 9,01 |
| | Jul. 19 | 58,064 | 8,42 |
| | Oct. 27 | 58,086 | 7,86 |
| | Dec. 66 | 58,099 | 7,33 |
| 1843 | Jan. 0 | 10 0 1,299 | +12 43 50,14 |
| | Apr. 10 | 1,306 | 49,64 |
| | Jul. 19 | 1,304 | 49,18 |
| | Oct. 27 | 1,293 | 48,77 |
| | Dec. 66 | 1,273 | 48,40 |
| 1844 | Jan. 1 | 10 0 4,484 | +12 43 31,15 |
| | Apr. 10 | 4,457 | 30,83 |
| | Jul. 19 | 4,422 | 30,56 |
| | Oct. 27 | 4,378 | 30,35 |
| | Dec. 66 | 4,326 | 30,20 |
| 1845 | Jan. 0 | 10 0 7,547 | +12 43 12,88 |
| | Apr. 10 | 7,489 | 12,77 |
| | Jul. 19 | 7,424 | 12,73 |
| | Oct. 27 | 7,352 | 12,75 |
| | Dec. 66 | 7,274 | 12,83 |
| 1846 | Jan. 0 | 10 0 10,503 | +12 42 55,43 |
| | Apr. 10 | 10,420 | 55,55 |
| | Jul. 19 | 10,333 | 55,74 |
| | Oct. 27 | 10,241 | 55,99 |
| | Dec. 66 | 10,144 | 56,31 |
| 1847 | Jan. 0 | 10 0 13,380 | +12 42 38,82 |
| | Apr. 10 | 13,282 | 39,17 |
| | Jul. 19 | 13,182 | 39,57 |
| | Oct. 27 | 13,081 | 40,02 |
| | Dec. 66 | 12,978 | 40,53 |
| 1848 | Jan. 1 | 10 0 16,215 | +12 42 22,98 |
| | Apr. 10 | 16,113 | 23,51 |
| | Jul. 19 | 16,012 | 24,08 |
| | Oct. 27 | 15,914 | 24,68 |
| | Dec. 66 | 15,817 | 25,31 |
| 1849 | Jan. 0 | 10 0 19,052 | +12 42 7,72 |
| | Apr. 10 | 18,958 | 8,36 |
| | Jul. 19 | 18,869 | 9,03 |
| | Oct. 27 | 18,785 | 9,70 |
| | Dec. 66 | 18,706 | 10,40 |

## Tabulae X. Sect. V. *α Leonis.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,885 | +28,8 | — 5,19 | —14,9 | —3 | +1 | 1830 | 9 59 18,5754 | +12 47 40,365 |
| 10 | +1,158 | +25,4 | — 6,58 | —12,7 | —2 | 0 | 1831 | 59 21,7798 | 47 23,031 |
| 20 | +1,392 | +21,2 | — 7,73 | —10,2 | —2 | 0 | 1832 | 59 24,9841 | 47 5,694 |
| 30 | +1,581 | +16,5 | — 8,61 | — 7,5 | —2 | —1 | 1833 | 59 28,1883 | 46 48,355 |
| Febr. 9 | +1,721 | +11,5 | — 9,22 | — 4,8 | —1 | —1 | 1834 | 59 31,3924 | 46 31,014 |
| | | | | | | | 1835 | 59 34,5963 | 46 13,670 |
| 19 | +1,810 | + 6,5 | — 9,57 | — 2,3 | 0 | —1 | 1836 | 59 37,8002 | 45 56,324 |
| Mart. 1 | +1,851 | + 1,8 | — 9,67 | + 0,1 | 0 | —2 | 1837 | 59 41,0040 | 45 38,976 |
| 11 | +1,846 | — 2,5 | — 9,56 | + 2,0 | +1 | —2 | 1838 | 59 44,2077 | 45 21,625 |
| 21 | +1,801 | — 6,1 | — 9,28 | + 3,5 | +1 | —2 | 1839 | 59 47,4113 | 45 4,272 |
| 31 | +1,724 | — 9,0 | — 8,87 | + 4,6 | +2 | —2 | 1840 | 59 50,6147 | 44 46,917 |
| | | | | | | | 1841 | 59 53,8181 | 44 29,559 |
| Apr. 10 | +1,622 | —11,1 | — 8,36 | + 5,4 | +2 | —3 | 1842 | 59 57,0214 | 44 12,199 |
| 20 | +1,503 | —12,3 | — 7,79 | + 5,8 | +2 | —3 | 1843 | 10 0 0,2246 | 43 54,837 |
| 30 | +1,376 | —12,8 | — 7,21 | + 5,8 | +3 | —3 | 1844 | 0 3,4277 | 43 37,472 |
| Maj. 10 | +1,247 | —12,6 | — 6,63 | + 5,7 | +3 | —3 | 1845 | 0 6,6305 | 43 20,105 |
| 20 | +1,124 | —11,9 | — 6,07 | + 5,4 | +3 | —2 | 1846 | 0 9,8333 | 43 2,738 |
| | | | | | | | 1847 | 0 13,0360 | 42 45,364 |
| 30 | +1,010 | —10,7 | — 5,56 | + 4,9 | +3 | —2 | 1848 | 0 16,2386 | 42 27,990 |
| Jun. 9 | +0,911 | — 9,1 | — 5,10 | + 4,3 | +3 | —2 | 1849 | 0 19,4411 | 42 10,614 |
| 19 | +0,829 | — 7,2 | — 4,70 | + 3,6 | +2 | —2 | 1850 | 0 22,6437 | 41 53,236 |
| 29 | +0 767 | — 5,2 | — 4,38 | + 2,8 | +2 | —2 | | | |
| Jul. 9 | +0,726 | — 3,0 | — 4,14 | + 2,0 | +2 | —1 | | | |
| 19 | +0,707 | — 0,8 | — 3,99 | + 1,0 | +1 | —1 | | | |
| 29 | +0,711 | + 1,7 | — 3,95 | — 0,2 | +1 | —1 | | | |
| Aug. 8 | +0,740 | + 4,2 | — 4,03 | — 1,5 | 0 | —1 | | | |
| 18 | +0,795 | + 6,8 | — 4,25 | — 3,0 | 0 | —1 | | | |
| 28 | +0,876 | + 9,6 | — 4,62 | — 4,6 | —1 | 0 | | | |
| Sept. 7 | +0,986 | +12,5 | — 5,17 | — 6,5 | —1 | 0 | | | |
| 17 | +1,126 | +15,6 | — 5,91 | — 8,4 | —2 | 0 | | | |
| 27 | +1,297 | +18,7 | — 6,85 | —10,4 | —2 | 0 | | | |
| Oct. 7 | +1,499 | +21,8 | — 7,99 | —12,4 | —3 | 0 | | | |
| 17 | +1,733 | +24,9 | — 9,33 | —14,4 | —3 | 0 | | | |
| 27 | +1,996 | +27,7 | —10,86 | —16,1 | —4 | 0 | | | |
| Nov. 6 | +2,287 | +30,1 | —12,55 | —17,5 | —4 | 0 | | | |
| 16 | +2,598 | +31,9 | —14,35 | —18,3 | —4 | 0 | | | |
| 26 | +2,925 | +33,0 | —16,21 | —18,6 | —4 | 0 | | | |
| Dec. 6 | +3,257 | +33,1 | —18,07 | —18,4 | —4 | —1 | | | |
| 16 | +3,587 | +32,3 | —19,89 | —17,6 | —4 | —1 | | | |
| 26 | +3,903 | +30,4 | —21,58 | —16,1 | —4 | —1 | | | |
| 36 | +4,195 | +27,6 | —23,10 | —14,1 | —4 | —2 | | | |

Diei reducto addendum est:

ante } Aug. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β Leonis.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 11h 40′ 22″,615 | +15° 31′ 19″,25 | 1840 | Jan. 1 | 11h 40′ 54″,075 | +15° 27′ 56″,73 |
| | Apr. 10 | 22,521 | 19,88 | | Apr. 10 | 54,156 | 56,14 |
| | Jul. 19 | 22,431 | 20,50 | | Jul. 19 | 54,232 | 55,58 |
| | Oct. 27 | 22,345 | 21,11 | | Oct. 27 | 54,302 | 55,04 |
| | Dec. 66 | 22,264 | 21,71 | | Dec. 66 | 54,367 | 54,52 |
| 1831 | Jan. 0 | 11 40 25,357 | +15 31 1,43 | 1841 | Jan. 0 | 11 40 57,411 | +15 27 34,60 |
| | Apr. 10 | 25,280 | 2,01 | | Apr. 10 | 57,472 | 34,10 |
| | Jul. 19 | 25,209 | 2,56 | | Jul. 19 | 57,525 | 33,64 |
| | Oct. 27 | 25,145 | 3,03 | | Oct. 27 | 57,571 | 33,22 |
| | Dec. 66 | 25,088 | 3,57 | | Dec. 66 | 57,610 | 32,83 |
| 1832 | Jan. 1 | 11 40 28,172 | +15 30 43,32 | 1842 | Jan. 0 | 11 41 0,663 | +15 27 12,86 |
| | Apr. 10 | 28,120 | 43,78 | | Apr. 10 | 0,697 | 12,50 |
| | Jul. 19 | 28,077 | 44,20 | | Jul. 19 | 0,722 | 12,19 |
| | Oct. 27 | 28,042 | 44,57 | | Oct. 27 | 0,738 | 11,93 |
| | Dec. 66 | 28,016 | 44,89 | | Dec. 66 | 0,746 | 11,72 |
| 1833 | Jan. 0 | 11 40 31,090 | +15 30 24,70 | 1843 | Jan. 0 | 11 41 3,810 | +15 26 51,69 |
| | Apr. 10 | 31,070 | 24,99 | | Apr. 10 | 3,812 | 51,51 |
| | Jul. 19 | 31,058 | 25,23 | | Jul. 19 | 3,805 | 51,39 |
| | Oct. 27 | 31,056 | 25,41 | | Oct. 27 | 3,789 | 51,33 |
| | Dec. 66 | 31,062 | 25,54 | | Dec. 66 | 3,765 | 51,32 |
| 1834 | Jan. 0 | 11 40 34,125 | +15 30 5,41 | 1844 | Jan. 1 | 11 41 6,840 | +15 26 31,22 |
| | Apr. 10 | 34,138 | 5,50 | | Apr. 10 | 6,810 | 31,25 |
| | Jul. 19 | 34,159 | 5,53 | | Jul. 19 | 6,771 | 31,34 |
| | Oct. 27 | 34,188 | 5,50 | | Oct. 27 | 6,725 | 31,48 |
| | Dec. 66 | 34,226 | 5,42 | | Dec. 66 | 6,670 | 31,68 |
| 1835 | Jan. 0 | 11 40 37,279 | +15 29 45,37 | 1845 | Jan. 0 | 11 41 9,754 | +15 26 11,52 |
| | Apr. 10 | 37,323 | 45,25 | | Apr. 10 | 9,694 | 11,75 |
| | Jul. 19 | 37,373 | 45,08 | | Jul. 19 | 9,628 | 12,04 |
| | Oct. 27 | 37,431 | 44,86 | | Oct. 27 | 9,555 | 12,33 |
| | Dec. 66 | 37,495 | 44,58 | | Dec. 66 | 9,475 | 12,78 |
| 1836 | Jan. 1 | 11 40 40,539 | +15 29 24,58 | 1846 | Jan. 0 | 11 41 12,568 | +15 25 52,55 |
| | Apr. 10 | 40,608 | 24,27 | | Apr. 10 | 12,484 | 52,97 |
| | Jul. 19 | 40,682 | 23,92 | | Jul. 19 | 12,397 | 53,43 |
| | Oct. 27 | 40,761 | 23,53 | | Oct. 27 | 12,306 | 53,93 |
| | Dec. 66 | 40,844 | 23,09 | | Dec. 66 | 12,211 | 54,47 |
| 1837 | Jan. 0 | 11 40 43,881 | +15 29 3,15 | 1847 | Jan. 0 | 11 41 15,308 | +15 25 34,21 |
| | Apr. 10 | 43,967 | 2,69 | | Apr. 10 | 15,211 | 34,76 |
| | Jul. 19 | 44,056 | 2,20 | | Jul. 19 | 15,114 | 35,33 |
| | Oct. 27 | 44,147 | 1,68 | | Oct. 27 | 15,016 | 35,93 |
| | Dec. 66 | 44,241 | 1,13 | | Dec. 66 | 14,917 | 36,55 |
| 1838 | Jan. 0 | 11 40 47,275 | +15 28 41,23 | 1848 | Jan. 1 | 11 41 18,015 | +15 25 16,25 |
| | Apr. 10 | 47,370 | 40,67 | | Apr. 10 | 17,916 | 16,88 |
| | Jul. 19 | 47,464 | 40,09 | | Jul. 19 | 17,820 | 17,50 |
| | Oct. 27 | 47,558 | 39,50 | | Oct. 27 | 17,726 | 18,13 |
| | Dec. 66 | 47,651 | 38,90 | | Dec. 66 | 17,634 | 18,75 |
| 1839 | Jan. 0 | 11 40 50,685 | +15 28 19,01 | 1849 | Jan. 0 | 11 41 20,729 | +15 24 58,45 |
| | Apr. 10 | 50,778 | 18,41 | | Apr. 10 | 20,641 | 59,08 |
| | Jul. 19 | 50,868 | 17,81 | | Jul. 19 | 20,557 | 59,68 |
| | Oct. 27 | 50,954 | 17,21 | | Oct. 27 | 20,479 | 25 0,27 |
| | Dec. 66 | 51,037 | 16,62 | | Dec. 66 | 20,405 | 0,83 |

## Tabulae X. Sect. V. *β Leonis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | +0,346 | +33,2 | — 6,75 | —18,4 | —3 | +2 |
| 10 | +0,671 | +31,4 | — 8,47 | —15,8 | —3 | +1 |
| 20 | +0,973 | +28,6 | — 9,91 | —12,8 | —3 | +1 |
| 30 | +1,243 | +25,0 | —11,02 | — 9,4 | —3 | 0 |
| Febr. 9 | +1,474 | +21,0 | —11,79 | — 6,0 | —2 | 0 |
| 19 | +1,663 | +16,6 | —12,22 | — 2,6 | —2 | —1 |
| Mart. 1 | +1,806 | +12,0 | —12,31 | + 0,6 | —1 | —1 |
| 11 | +1,903 | + 7,6 | —12,11 | + 3,3 | —1 | —1 |
| 21 | +1,957 | + 3,5 | —11,66 | + 5,6 | 0 | —2 |
| 31 | +1,973 | — 0,2 | —10,99 | + 7,4 | 0 | —2 |
| Apr. 10 | +1,954 | — 3,3 | —10,18 | + 8,6 | +1 | —2 |
| 20 | +1,908 | — 5,8 | — 9,27 | + 9,4 | +1 | —2 |
| 30 | +1,839 | — 7,7 | — 8,31 | + 9,6 | +2 | —2 |
| Maj. 10 | +1,755 | — 9,1 | — 7,36 | + 9,3 | +2 | —2 |
| 20 | +1,658 | —10,0 | — 6,45 | + 8,7 | +2 | —2 |
| 30 | +1,556 | —10,4 | — 5,62 | + 7,8 | +3 | —2 |
| Jun. 9 | +1,451 | —10,5 | — 4,89 | + 6,7 | +3 | —2 |
| 19 | +1,347 | —10,3 | — 4,28 | + 5,4 | +3 | —2 |
| 29 | +1,246 | — 9,8 | — 3,82 | + 3,9 | +3 | —2 |
| Jul. 9 | +1,152 | — 9,0 | — 3,50 | + 2,4 | +3 | —1 |
| 19 | +1,067 | — 7,9 | — 3,35 | + 0,7 | +2 | —1 |
| 29 | +0,994 | — 6,6 | — 3,37 | — 1,2 | +2 | —1 |
| Aug. 8 | +0,935 | — 5,0 | — 3,58 | — 3,0 | +2 | 0 |
| 18 | +0,894 | — 3,0 | — 3,97 | — 5,0 | +1 | 0 |
| 28 | +0,875 | — 0,7 | — 4,57 | — 7,0 | +1 | 0 |
| Sept. 7 | +0,881 | + 2,1 | — 5,37 | — 9,2 | 0 | 0 |
| 17 | +0,917 | + 5,3 | — 6,40 | —11,5 | 0 | +1 |
| 27 | +0,987 | + 8,8 | — 7,64 | —13,7 | —1 | +1 |
| Oct. 7 | +1,093 | +12,6 | — 9,11 | —15,8 | —1 | +1 |
| 17 | +1,239 | +16,6 | —10,79 | —17,8 | —2 | +2 |
| 27 | +1,425 | +20,6 | —12,67 | —19,7 | —2 | +2 |
| Nov. 6 | +1,651 | +24,4 | —14,72 | —21,1 | —3 | +2 |
| 16 | +1,913 | +27,9 | —16,89 | —22,1 | —3 | +2 |
| 26 | +2,208 | +30,7 | —19,13 | —22,5 | —4 | +2 |
| Dec. 6 | +2,526 | +32,7 | —21,38 | —22,3 | —4 | +2 |
| 16 | +2,861 | +33,8 | +23,58 | —21,4 | —4 | +2 |
| 26 | +3,201 | +33,7 | +25,65 | —19,7 | —4 | +2 |
| 36 | +3,535 | +32,7 | +27,52 | —17,5 | —4 | +1 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 11 40 22.9094 | +15 31 19,188 |
| 1831 | 40 25,9757 | 30 59,101 |
| 1832 | 40 29,0419 | 30 39,013 |
| 1833 | 40 32,1080 | 30 18,925 |
| 1834 | 40 35,1740 | 29 58,837 |
| 1835 | 40 38,2400 | 29 38,749 |
| 1836 | 40 41.3059 | 29 18,660 |
| 1837 | 40 44,3717 | 28 58,570 |
| 1838 | 40 47,4374 | 28 38,480 |
| 1839 | 40 50,5030 | 28 18,390 |
| 1840 | 40 53,5686 | 27 58,300 |
| 1841 | 40 56,6341 | 27 38,209 |
| 1842 | 40 59,6995 | 27 18,118 |
| 1843 | 41 2,7648 | 26 58,027 |
| 1844 | 41 5,8301 | 26 37,935 |
| 1845 | 41 8,8953 | 26 17,843 |
| 1846 | 41 11,9604 | 25 57,750 |
| 1847 | 41 15,0254 | 25 37,657 |
| 1848 | 41 18,0904 | 25 17,564 |
| 1849 | 41 21,1553 | 24 57,470 |
| 1850 | 41 24,2201 | 24 37,376 |

Diei reducto addendum est:

ante } Sept. 17 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β *Virginis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 11 h 41 ′ 50 ″,209 | + 2 ° 43 ′ 20,02 | 1840 | Jan. 1 | 11 h 42 ′ 21,984 | + 2 ° 39 ′ 55,34 |
| | Apr. 10 | 50,114 | 20,66 | | Apr. 10 | 22,068 | 54,76 |
| | Jul. 19 | 50,021 | 21,28 | | Jul. 19 | 22,150 | 54,20 |
| | Oct. 27 | 49,932 | 21,89 | | Oct. 27 | 22,226 | 53,66 |
| | Dec. 66 | 49,845 | 22,48 | | Dec. 66 | 22,298 | 53,14 |
| 1831 | Jan. 0 | 11 41 52,998 | + 2 43 1,99 | 1841 | Jan. 0 | 11 42 25,399 | + 2 39 33,02 |
| | Apr. 10 | 52,915 | 2,57 | | Apr. 10 | 25,467 | 32,52 |
| | Jul. 19 | 52,838 | 3,12 | | Jul. 19 | 25,529 | 32,06 |
| | Oct. 27 | 52,767 | 3,64 | | Oct. 27 | 25,585 | 31,64 |
| | Dec. 66 | 52,701 | 4,12 | | Dec. 66 | 25,634 | 31,25 |
| 1832 | Jan. 1 | 11 41 55,846 | + 2 42 43,67 | 1842 | Jan. 0 | 11 42 28,742 | + 2 39 11,08 |
| | Apr. 10 | 55,785 | 44,13 | | Apr. 10 | 28,786 | 10,73 |
| | Jul. 19 | 55,732 | 44,54 | | Jul. 19 | 28,822 | 10,42 |
| | Oct. 27 | 55,687 | 44,90 | | Oct. 27 | 28,850 | 10,17 |
| | Dec. 66 | 55,649 | 45,23 | | Dec. 66 | 28,871 | 9,96 |
| 1833 | Jan. 0 | 11 41 58,785 | + 2 42 24,83 | 1843 | Jan. 0 | 11 42 31,989 | + 2 38 49,72 |
| | Apr. 10 | 58,753 | 25,12 | | Apr. 10 | 32,003 | 49,55 |
| | Jul. 19 | 58,730 | 25,35 | | Jul. 19 | 32,009 | 49,44 |
| | Oct. 27 | 58,715 | 25,52 | | Oct. 27 | 32,006 | 49,38 |
| | Dec. 66 | 58,709 | 25,64 | | Dec. 66 | 31,995 | 49,37 |
| 1834 | Jan. 0 | 11 42 1,835 | + 2 42 5,32 | 1844 | Jan. 1 | 11 42 35,124 | + 2 38 29,07 |
| | Apr. 10 | 1,835 | 5,40 | | Apr. 10 | 35,106 | 29,11 |
| | Jul. 19 | 1,843 | 5,42 | | Jul. 19 | 35,080 | 29,20 |
| | Oct. 27 | 1,860 | 5,39 | | Oct. 27 | 35,046 | 29,35 |
| | Dec. 66 | 1,886 | 5,31 | | Dec. 66 | 35,003 | 29,55 |
| 1835 | Jan. 0 | 11 42 5,000 | + 2 41 45,05 | 1845 | Jan. 0 | 11 42 38,143 | + 2 38 9,18 |
| | Apr. 10 | 5,032 | 44,93 | | Apr. 10 | 38,095 | 9,42 |
| | Jul. 19 | 5,071 | 44,75 | | Jul. 19 | 38,039 | 9,72 |
| | Oct. 27 | 5,117 | 44,52 | | Oct. 27 | 37,976 | 10,06 |
| | Dec. 66 | 5,170 | 44,24 | | Dec. 66 | 37,906 | 10,45 |
| 1836 | Jan. 1 | 11 42 8,276 | + 2 41 24,04 | 1846 | Jan. 0 | 11 42 41,055 | + 2 37 50,02 |
| | Apr. 10 | 8,334 | 23,73 | | Apr. 10 | 40,981 | 50,45 |
| | Jul. 19 | 8,398 | 23,37 | | Jul. 19 | 40,902 | 50,91 |
| | Oct. 27 | 8,468 | 22,97 | | Oct. 27 | 40,818 | 51,41 |
| | Dec. 66 | 8,543 | 22,53 | | Dec. 66 | 40,730 | 51,95 |
| 1837 | Jan. 0 | 11 42 11,642 | + 2 41 2,39 | 1847 | Jan. 0 | 11 42 43,884 | + 2 37 31,47 |
| | Apr. 10 | 11,721 | 1,92 | | Apr. 10 | 43,793 | 32,03 |
| | Jul. 19 | 11,803 | 1,43 | | Jul. 19 | 43,700 | 32,61 |
| | Oct. 27 | 11,888 | 0,91 | | Oct. 27 | 43,605 | 33,22 |
| | Dec. 66 | 11,977 | 0,36 | | Dec. 66 | 43,507 | 33,84 |
| 1838 | Jan. 0 | 11 42 15,071 | + 2 40 40,25 | 1848 | Jan. 1 | 11 42 46,664 | + 2 37 13,33 |
| | Apr. 10 | 15,161 | 39,69 | | Apr. 10 | 46,567 | 13,96 |
| | Jul. 19 | 15,252 | 39,11 | | Jul. 19 | 46,471 | 14,59 |
| | Oct. 27 | 15,344 | 38,52 | | Oct. 27 | 46,376 | 15,22 |
| | Dec. 66 | 15,437 | 37,92 | | Dec. 66 | 46,282 | 15,84 |
| 1839 | Jan. 0 | 11 42 18,530 | + 2 40 17,83 | 1849 | Jan. 0 | 11 42 49,437 | + 2 36 55,34 |
| | Apr. 10 | 18,622 | 17,22 | | Apr. 10 | 49,345 | 55,96 |
| | Jul. 19 | 18,713 | 16,62 | | Jul. 19 | 49,257 | 56,56 |
| | Oct. 27 | 18,802 | 16,03 | | Oct. 27 | 49,173 | 57,14 |
| | Dec. 66 | 18,889 | 15,44 | | Dec. 66 | 49,094 | 57,70 |

## Tabulae X. Sect. V. β *Virginis.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | +0,334 | +32,5 | − 2,47 | −20,9 | −3 | +2 | 1830 | 11 41 50,3649 | + 2 43 19,904 |
| 10 | +0,652 | +30,7 | − 4,51 | −19,6 | −3 | +2 | 1831 | 41 53,4893 | 42 59,612 |
| 20 | +0,947 | +27,9 | − 6,38 | −17,7 | −3 | +2 | 1832 | 41 56,6137 | 42 39,319 |
| 30 | +1,210 | +24,5 | − 8,05 | −15,4 | −2 | +1 | 1833 | 41 59,7381 | 42 19,026 |
| Febr. 9 | +1,437 | +20,6 | − 9,46 | −12,7 | −2 | +1 | 1834 | 42 2,8625 | 41 58,733 |
| | | | | | | | 1835 | 42 5,9867 | 41 38,438 |
| 19 | +1,621 | +16,3 | −10,59 | −10,0 | −1 | +1 | 1836 | 42 9,1110 | 41 18,144 |
| Mart. 1 | +1,762 | +12,0 | −11,45 | − 7,2 | −1 | 0 | 1837 | 42 12,2353 | 40 57,850 |
| 11 | +1,860 | + 7,8 | −12,03 | − 4,5 | 0 | 0 | 1838 | 42 15,3596 | 40 37,555 |
| 21 | +1,917 | + 3,9 | −12,35 | − 2,1 | 0 | −1 | 1839 | 42 18,4839 | 40 17,260 |
| 31 | +1,938 | + 0,5 | −12,45 | + 0,1 | +1 | −1 | 1840 | 42 21,6084 | 39 56,964 |
| | | | | | | | 1841 | 42 24,7327 | 39 36,668 |
| Apr. 10 | +1,927 | − 2,5 | −12,34 | + 1,9 | +1 | −1 | 1842 | 42 27,8570 | 39 16,372 |
| 20 | +1,889 | − 4,8 | −12,08 | + 3,3 | +2 | −1 | 1843 | 42 30,9813 | 38 56,076 |
| 30 | +1,831 | − 6,6 | −11,69 | + 4,4 | +2 | −2 | 1844 | 42 34,1056 | 38 35,779 |
| Maj. 10 | +1,758 | − 7,9 | −11,20 | + 5,2 | +2 | −2 | 1845 | 42 37,2299 | 38 15,481 |
| 20 | +1,673 | − 8,8 | −10,65 | + 5,7 | +3 | −2 | 1846 | 42 40,3542 | 37 55,183 |
| | | | | | | | 1847 | 42 43,4785 | 37 34,885 |
| 30 | +1,582 | − 9,3 | −10,06 | + 6,0 | +3 | −2 | 1848 | 42 46,6028 | 37 14,587 |
| Jun. 9 | +1,488 | − 9,5 | − 9,45 | + 6,1 | +3 | −2 | 1849 | 42 49,7271 | 36 54,289 |
| 19 | +1,393 | − 9,3 | − 8,84 | + 6,0 | +3 | −2 | 1850 | 42 52,8512 | 36 33,991 |
| 29 | +1,302 | − 8,9 | − 8,25 | + 5,7 | +3 | −2 | | | |
| Jul. 9 | +1,215 | − 8,4 | − 7,70 | + 5,3 | +3 | −2 | | | |
| 19 | +1,135 | − 7,5 | − 7,19 | + 4,8 | +3 | −2 | | | |
| 29 | +1,066 | − 6,3 | − 6,75 | + 3,9 | +2 | −1 | | | |
| Aug. 8 | +1,010 | − 4,8 | − 6,41 | + 2,9 | +2 | −1 | | | |
| 18 | +0,971 | − 2,9 | − 6,17 | + 1,7 | +2 | −1 | | | |
| 28 | +0,953 | − 0,6 | − 6,08 | + 0,1 | +1 | −1 | | | |
| Sept. 7 | +0,960 | + 2,2 | − 6,15 | − 1,8 | +1 | −1 | | | |
| 17 | +0,996 | + 5,3 | − 6,43 | − 3,9 | 0 | 0 | | | |
| 27 | +1,065 | + 8,8 | − 6,92 | − 6,2 | 0 | 0 | | | |
| Oct. 7 | +1,171 | +12,5 | − 7,66 | − 8,7 | −1 | 0 | | | |
| 17 | +1,315 | +16,5 | − 8,65 | −11,2 | −1 | +1 | | | |
| 27 | +1,500 | +20,5 | − 9,90 | −13,8 | −2 | +1 | | | |
| Nov. 6 | +1,724 | +24,2 | −11,41 | −16,2 | −2 | +1 | | | |
| 16 | +1,984 | +27,6 | −13,14 | −18,3 | −3 | +2 | | | |
| 26 | +2,275 | +30,3 | −15,07 | −20,0 | −3 | +2 | | | |
| Dec. 6 | +2,590 | +32,2 | −17,14 | −21,1 | −3 | +2 | | | |
| 16 | +2,919 | +33,1 | −19,28 | −21,6 | −3 | +2 | | | |
| 26 | +3,252 | +33,0 | −21,45 | −21,4 | −3 | +2 | | | |
| 36 | +3,579 | +32,0 | −23,55 | −20,5 | −3 | +2 | | | |

Diei reducto addendum est:

ante } Sept. 17 { + 1
post } Sept. 17 { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Virginis.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 13h 16′ 14″,821 | —10° 16′ 14″,16 | 1840 | Jan. 1 | 13h 16′ 46″,582 | —10° 19′ 32″,82 |
| | Apr. 10 | 14,721 | 13,62 | | Apr. 10 | 46,674 | 33,24 |
| | Jul. 19 | 14,623 | 13,12 | | Jul. 19 | 46,762 | 33,62 |
| | Oct. 27 | 14,527 | 12,66 | | Oct. 27 | 46,845 | 33,95 |
| | Dec. 66 | 14,434 | 12,24 | | Dec. 66 | 46,927 | 34,24 |
| 1831 | Jan. 0 | 13 16 17,615 | —10 16 31,39 | 1841 | Jan. 0 | 13 16 50,048 | —10 19 53,15 |
| | Apr. 10 | 17,522 | 31,01 | | Apr. 10 | 50,126 | 53,40 |
| | Jul. 19 | 17,434 | 30,68 | | Jul. 19 | 50,198 | 53,59 |
| | Oct. 27 | 17,353 | 30,41 | | Oct. 27 | 50,264 | 53,73 |
| | Dec. 66 | 17,277 | 30,19 | | Dec. 66 | 50,325 | 53,82 |
| 1832 | Jan. 1 | 13 16 20,448 | —10 16 49,26 | 1842 | Jan. 0 | 13 16 53,453 | —10 20 12,79 |
| | Apr. 10 | 20,376 | 49,08 | | Apr. 10 | 53,509 | 12,84 |
| | Jul. 19 | 20,312 | 48,96 | | Jul. 19 | 53,557 | 12,83 |
| | Oct. 27 | 20,255 | 48,90 | | Oct. 27 | 53,597 | 12,76 |
| | Dec. 66 | 20,205 | 48,91 | | Dec. 66 | 53,629 | 12,64 |
| 1833 | Jan. 0 | 13 16 23,368 | —10 17 7,91 | 1843 | Jan. 0 | 13 16 56,767 | —10 20 31,68 |
| | Apr. 10 | 23,324 | 7,95 | | Apr. 10 | 56,794 | 31,52 |
| | Jul. 19 | 23,288 | 8,05 | | Jul. 19 | 56,812 | 31,30 |
| | Oct. 27 | 23,261 | 8,21 | | Oct. 27 | 56,821 | 31,02 |
| | Dec. 66 | 23,243 | 8,43 | | Dec. 66 | 56,821 | 30,69 |
| 1834 | Jan. 0 | 13 16 26,394 | —10 17 27,36 | 1844 | Jan. 1 | 13 16 59,970 | —10 20 49,80 |
| | Apr. 10 | 26,382 | 27,62 | | Apr. 10 | 59,964 | 49,44 |
| | Jul. 19 | 26,379 | 27,92 | | Jul. 19 | 59,949 | 49,03 |
| | Oct. 27 | 26,385 | 28,28 | | Oct. 27 | 59,925 | 48,57 |
| | Dec. 66 | 26,399 | 28,68 | | Dec. 66 | 59,892 | 48,07 |
| 1835 | Jan. 0 | 13 16 29,540 | —10 17 47,55 | 1845 | Jan. 0 | 13 17 3,052 | —10 21 7,23 |
| | Apr. 10 | 29,560 | 47,98 | | Apr. 10 | 3,014 | 6,70 |
| | Jul. 19 | 29,589 | 48,45 | | Jul. 19 | 2,967 | 6,15 |
| | Oct. 27 | 29,626 | 48,96 | | Oct. 27 | 2,913 | 5,57 |
| | Dec. 66 | 29,671 | 49,50 | | Dec. 66 | 2,850 | 4,96 |
| 1836 | Jan. 1 | 13 16 32,802 | —10 18 8,32 | 1846 | Jan. 0 | 13 17 6,020 | —10 21 24,15 |
| | Apr. 10 | 32,852 | 8,88 | | Apr. 10 | 5,952 | 23,53 |
| | Jul. 19 | 32,909 | 9,46 | | Jul. 19 | 5,878 | 22,89 |
| | Oct. 27 | 32,972 | 10,06 | | Oct. 27 | 5,798 | 22,24 |
| | Dec. 66 | 33,042 | 10,68 | | Dec. 66 | 5,713 | 21,58 |
| 1837 | Jan. 0 | 13 16 36,165 | —10 18 29,47 | 1847 | Jan. 0 | 13 17 8,891 | —10 21 40,78 |
| | Apr. 10 | 36,239 | 30,09 | | Apr. 10 | 8,802 | 40,12 |
| | Jul. 19 | 36,317 | 30,72 | | Jul. 19 | 8,710 | 39,48 |
| | Oct. 27 | 36,400 | 31,35 | | Oct. 27 | 8,615 | 38,84 |
| | Dec. 66 | 36,487 | 31,98 | | Dec. 66 | 8,517 | 38,22 |
| 1838 | Jan. 0 | 13 16 39,605 | —10 18 50,77 | 1848 | Jan. 1 | 13 17 11,698 | —10 21 57,41 |
| | Apr. 10 | 39,694 | 51,39 | | Apr. 10 | 11,599 | 56,80 |
| | Jul. 19 | 39,785 | 51,99 | | Jul. 19 | 11,500 | 56,23 |
| | Oct. 27 | 39,878 | 52,58 | | Oct. 27 | 11,401 | 55,68 |
| | Dec. 66 | 39,973 | 53,15 | | Dec. 66 | 11,302 | 55,17 |
| 1839 | Jan. 0 | 13 16 43,089 | —10 19 11,96 | 1849 | Jan. 0 | 13 17 14,483 | —10 22 14,32 |
| | Apr. 10 | 43,185 | 12,51 | | Apr. 10 | 14,385 | 13,83 |
| | Jul. 19 | 43,279 | 13,03 | | Jul. 19 | 14,290 | 13,40 |
| | Oct. 27 | 43,373 | 13,52 | | Oct. 27 | 14,198 | 13,01 |
| | Dec. 66 | 43,465 | 13,97 | | Dec. 66 | 14,110 | 12,67 |

## Tabulae X. Sect. V. *a Virginis.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,211 | +33,4 | + 2,24 | −20,1 | −3 | +2 | 1830 | 13 16 14,8488 | −10 16 17,884 |
| 10 | +0,124 | +33,2 | + 0,21 | −20,4 | −3 | +2 | 1831 | 16 17,9953 | 16 36,895 |
| 20 | +0,452 | +32,0 | − 1,83 | −20,1 | −3 | +2 | 1832 | 16 21,1419 | 16 55,905 |
| 30 | +0,763 | +29,9 | − 3,81 | −19,2 | −3 | +2 | 1833 | 16 24,2886 | 17 14,913 |
| Febr. 9 | +1,050 | +27,2 | − 5,67 | −17,8 | −2 | +2 | 1834 | 16 27,4354 | 17 33,919 |
| | | | | | | | 1835 | 16 30,5824 | 17 52,923 |
| 19 | +1,307 | +24,1 | − 7,36 | −16,0 | −2 | +2 | 1836 | 16 33,7295 | 18 11,926 |
| Mart. 1 | +1,531 | +20,6 | − 8,86 | −13,9 | −2 | +2 | 1837 | 16 36,8767 | 18 30,928 |
| 11 | +1,718 | +17,0 | −10,13 | −11,6 | −1 | +2 | 1838 | 16 40,0240 | 18 49,928 |
| 21 | +1,870 | +13,4 | −11,18 | − 9,4 | 0 | +2 | 1839 | 16 43,1714 | 19 8,927 |
| 31 | +1,986 | +10,0 | −12,00 | − 7,1 | 0 | +1 | 1840 | 16 46,3189 | 19 27,925 |
| | | | | | | | 1841 | 16 49,4665 | 19 46,921 |
| Apr. 10 | +2,070 | + 6,9 | −12,59 | − 5,0 | +1 | +1 | 1842 | 16 52,6142 | 20 5,915 |
| 20 | +2,124 | + 4,1 | −12,99 | − 3,1 | +1 | +1 | 1843 | 16 55,7621 | 20 24,908 |
| 30 | +2,151 | + 1,5 | −13,21 | − 1,5 | +2 | +1 | 1844 | 16 58,9101 | 20 43,899 |
| Maj. 10 | +2,153 | − 0,9 | −13,28 | + 0,1 | +2 | 0 | 1845 | 17 2,0582 | 21 2,888 |
| 20 | +2,133 | − 3,0 | −13,20 | + 1,4 | +3 | 0 | 1846 | 17 5,2064 | 21 21,876 |
| | | | | | | | 1847 | 17 8,3547 | 21 40,863 |
| 30 | +2,094 | − 4,8 | −13,00 | + 2,5 | +3 | 0 | 1848 | 17 11,5031 | 21 59,848 |
| Jun. 9 | +2,037 | − 6,5 | −12,70 | + 3,5 | +3 | 0 | 1849 | 17 14,6516 | 22 18,831 |
| 19 | +1,964 | − 8,0 | −12,31 | + 4,3 | +3 | −1 | 1850 | 17 17,8003 | 22 37,813 |
| 29 | +1,878 | − 9,2 | −11,85 | + 5,0 | +4 | −1 | | | |
| Jul. 9 | +1,780 | −10,2 | −11,32 | + 5,6 | +4 | −1 | | | |
| 19 | +1,675 | −10,8 | −10,74 | + 6,0 | +4 | −1 | | | |
| 29 | +1,564 | −11,2 | −10,13 | + 6,2 | +3 | −1 | | | |
| Aug. 8 | +1,452 | −10,9 | − 9,50 | + 6,3 | +3 | −1 | | | |
| 18 | +1,346 | −10,2 | − 8,88 | + 6,0 | +3 | −1 | | | |
| 28 | +1,249 | − 8,8 | − 8,30 | + 5,5 | +3 | −1 | | | |
| Sept. 7 | +1,170 | − 6,8 | − 7,78 | + 4,7 | +2 | −1 | | | |
| 17 | +1,114 | − 4,1 | − 7,37 | + 3,4 | +2 | −1 | | | |
| 27 | +1,089 | − 0,7 | − 7,11 | + 1,7 | +1 | 0 | | | |
| Oct. 7 | +1,101 | + 3,3 | − 7,03 | − 0,3 | +1 | 0 | | | |
| 17 | +1,154 | + 7,7 | − 7,17 | − 2,7 | 0 | 0 | | | |
| 27 | +1,254 | +12,3 | − 7,57 | − 5,4 | 0 | +1 | | | |
| Nov. 6 | +1,400 | +16,9 | − 8,24 | − 8,1 | −1 | +1 | | | |
| 16 | +1,592 | +21,4 | − 9,19 | −11,0 | −1 | +2 | | | |
| 26 | +1,828 | +25,5 | −10,43 | −13,7 | −1 | +2 | | | |
| Dec. 6 | +2,102 | +28,9 | −11,92 | −16,0 | −2 | +3 | | | |
| 16 | +2,405 | +31,4 | −13,63 | −18,0 | −2 | +3 | | | |
| 26 | +2,729 | +32,9 | −15,52 | −19,4 | −2 | +3 | | | |
| 36 | +3,063 | +33,4 | −17,51 | −20,3 | −2 | +4 | | | |

Diei reducto addendum est:

ante } Oct. 13 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. α *Bootis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 14 7 54,270 | + 20 4 20,91 | 1840 | Jan. 1 | 14 8 22,389 | +20 0 59,31 |
| | Apr. 10 | 54,186 | 21,36 | | Apr. 10 | 22,462 | 59,01 |
| | Jul. 19 | 54,105 | 21,76 | | Jul. 19 | 22,529 | 58,76 |
| | Oct. 27 | 54,029 | 22,10 | | Oct. 27 | 22,591 | 58,56 |
| | Dec. 66 | 53,956 | 22,39 | | Dec. 66 | 22,647 | 58,42 |
| 1831 | Jan. 0 | 14 7 56,712 | + 20 4 3,31 | 1841 | Jan. 0 | 14 8 25,362 | +20 0 39,50 |
| | Apr. 10 | 56,643 | 3,56 | | Apr. 10 | 25,414 | 39,40 |
| | Jul. 19 | 56,581 | 3,74 | | Jul. 19 | 25,460 | 39,37 |
| | Oct. 27 | 56,525 | 3,86 | | Oct. 27 | 25,499 | 39,39 |
| | Dec. 66 | 56,476 | 3,91 | | Dec. 66 | 25,532 | 39,48 |
| 1832 | Jan. 1 | 14 7 59,224 | + 20 3 44,92 | 1842 | Jan. 0 | 14 8 28,255 | +20 0 20,48 |
| | Apr. 10 | 59,180 | 44,93 | | Apr. 10 | 28,282 | 20,61 |
| | Jul. 19 | 59,143 | 44,87 | | Jul. 19 | 28,302 | 20,79 |
| | Oct. 27 | 59,115 | 44,75 | | Oct. 27 | 28,314 | 21,04 |
| | Dec. 66 | 59,094 | 44,57 | | Dec. 66 | 28,318 | 21,34 |
| 1833 | Jan. 0 | 14 8 1,832 | + 20 3 25,66 | 1843 | Jan. 0 | 14 8 31,050 | +20 0 2,27 |
| | Apr. 10 | 1,817 | 25,44 | | Apr. 10 | 31,049 | 2,61 |
| | Jul. 19 | 1,810 | 25,16 | | Jul. 19 | 31,040 | 3,00 |
| | Oct. 27 | 1,811 | 24,82 | | Oct. 27 | 31,023 | 3,44 |
| | Dec. 66 | 1,820 | 24,43 | | Dec. 66 | 30,997 | 3,93 |
| 1834 | Jan. 0 | 14 8 4,548 | + 20 3 5,58 | 1844 | Jan. 1 | 14 8 33,739 | +19 59 44,80 |
| | Apr. 10 | 4,563 | 5,16 | | Apr. 10 | 33,708 | 45,32 |
| | Jul. 19 | 4,585 | 4,69 | | Jul. 19 | 33,670 | 45,88 |
| | Oct. 27 | 4,615 | 4,18 | | Oct. 27 | 33,625 | 46,47 |
| | Dec. 66 | 4,653 | 3,63 | | Dec. 66 | 33,572 | 47,10 |
| 1835 | Jan. 0 | 14 8 7,372 | + 20 2 44,84 | 1845 | Jan. 0 | 14 8 36,323 | +19 59 27,93 |
| | Apr. 10 | 7,415 | 44,26 | | Apr. 10 | 36,266 | 28,57 |
| | Jul. 19 | 7,464 | 43,66 | | Jul. 19 | 36,203 | 29,23 |
| | Oct. 27 | 7,519 | 43,03 | | Oct. 27 | 36,134 | 29,91 |
| | Dec. 66 | 7,580 | 42,38 | | Dec. 66 | 36,060 | 30,60 |
| 1836 | Jan. 1 | 14 8 10,291 | + 20 2 23,63 | 1846 | Jan. 0 | 14 8 38,818 | +19 59 11,42 |
| | Apr. 10 | 10,357 | 22,97 | | Apr. 10 | 38,740 | 12,11 |
| | Jul. 19 | 10,426 | 22,30 | | Jul. 19 | 38,659 | 12,80 |
| | Oct. 27 | 10,500 | 21,63 | | Oct. 27 | 38,575 | 13,48 |
| | Dec. 66 | 10,577 | 20,96 | | Dec. 66 | 38,487 | 14,16 |
| 1837 | Jan. 0 | 14 8 13,283 | + 20 2 2,21 | 1847 | Jan. 0 | 14 8 41,250 | +19 58 54,99 |
| | Apr. 10 | 13,362 | 1,54 | | Apr. 10 | 41,161 | 55,65 |
| | Jul. 19 | 13,445 | 0,89 | | Jul. 19 | 41,071 | 56,29 |
| | Oct. 27 | 13,529 | 0,25 | | Oct. 27 | 40,981 | 56,89 |
| | Dec. 66 | 13,615 | 1 59,62 | | Dec. 66 | 40,891 | 57,47 |
| 1838 | Jan. 0 | 14 8 16,319 | + 20 1 40,86 | 1848 | Jan. 1 | 14 8 43,654 | +19 58 38,33 |
| | Apr. 10 | 16,405 | 40,25 | | Apr. 10 | 43,565 | 38,89 |
| | Jul. 19 | 16,491 | 39,68 | | Jul. 19 | 43,477 | 39,39 |
| | Oct. 27 | 16,576 | 39,13 | | Oct. 27 | 43,392 | 39,85 |
| | Dec. 66 | 16,661 | 38,62 | | Dec. 66 | 43,310 | 40,27 |
| 1839 | Jan. 0 | 14 8 19,366 | + 20 1 19,82 | 1849 | Jan. 0 | 14 8 46,070 | +19 58 21,18 |
| | Apr. 10 | 19,450 | 19,34 | | Apr. 10 | 45,991 | 21,56 |
| | Jul. 19 | 19,530 | 18,90 | | Jul. 19 | 45,916 | 21,88 |
| | Oct. 27 | 19,608 | 18,51 | | Oct. 27 | 45,847 | 22,13 |
| | Dec. 66 | 19,682 | 18,17 | | Dec. 66 | 45,782 | 22,33 |

## Tabulae X. Sect. V. α *Bootis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,550 | +31,9 | — 7,50 | —24,4 | —3 | +2 |
| 10 | —0,224 | +32,9 | — 9,32 | —21,7 | —3 | +2 |
| 20 | +0,107 | +32,9 | —11,84 | —18,4 | —3 | +2 |
| 30 | +0,433 | +32,0 | —13,50 | —14,6 | —3 | +2 |
| Febr. 9 | +0,746 | +30,2 | —14,75 | —10,3 | —3 | +1 |
| 19 | +1,037 | +27,7 | —15,55 | — 5,8 | —3 | +1 |
| Mart. 1 | +1,299 | +24,7 | —15,91 | — 1,4 | —2 | +1 |
| 11 | +1,531 | +21,5 | —15,83 | + 2,3 | —2 | 0 |
| 21 | +1,728 | +18,0 | —15,36 | + 6,6 | —2 | 0 |
| 31 | +1,890 | +14,4 | —14,52 | + 9,8 | —1 | 0 |
| Apr. 10 | +2,016 | +11,0 | —13,40 | +12,4 | —1 | —1 |
| 20 | +2,109 | + 7,7 | —12,05 | +14,3 | 0 | —1 |
| 30 | +2,170 | + 4,6 | —10,55 | +15,5 | 0 | —1 |
| Maj. 10 | +2,201 | + 1,7 | — 8,96 | +15,9 | +1 | —1 |
| 20 | +2,204 | — 1,1 | — 7,37 | +15,7 | +1 | —1 |
| 30 | +2,180 | — 3,6 | — 5,82 | +15,0 | +1 | —1 |
| Jun. 9 | +2,133 | — 5,9 | — 4,38 | +13,7 | +2 | —1 |
| 19 | +2,063 | — 8,1 | — 3,08 | +12,0 | +2 | —1 |
| 29 | +1,972 | —10,0 | — 1,98 | +10,0 | +2 | —1 |
| Jul. 9 | +1,864 | —11,5 | — 1,09 | + 7,7 | +3 | —1 |
| 19 | +1,742 | —12,9 | — 0,44 | + 4,7 | +3 | 0 |
| 29 | +1,607 | —13,8 | — 0,05 | + 2,0 | +3 | 0 |
| Aug. 8 | +1,466 | —14,3 | + 0,06 | — 0,3 | +3 | 0 |
| 18 | +1,322 | —14,2 | — 0,10 | — 3,0 | +3 | 0 |
| 28 | +1,183 | —13,4 | — 0,54 | — 5,9 | +3 | +1 |
| Sept. 7 | +1,054 | —12,0 | — 1,28 | — 8,9 | +2 | +1 |
| 17 | +0,943 | — 9,9 | — 2,31 | —11,8 | +2 | +2 |
| 27 | +0,857 | — 7,0 | — 3,63 | —14,6 | +2 | +2 |
| Oct. 7 | +0,804 | — 3,4 | — 5,23 | —17,4 | +1 | +2 |
| 17 | +0,790 | + 0,9 | — 7,11 | —20,1 | +1 | +3 |
| 27 | +0,821 | + 5,5 | — 9,24 | —22,5 | 0 | +3 |
| Nov. 6 | +0,900 | +10,4 | —11,60 | —24,5 | 0 | +4 |
| 16 | +1,028 | +15,3 | —14,13 | —26,0 | —1 | +4 |
| 26 | +1,206 | +20,1 | —16,80 | —27,1 | —1 | +4 |
| Dec. 6 | +1,429 | +24,3 | —19,54 | —27,4 | —2 | +4 |
| 16 | +1,692 | +22,9 | —22,27 | —26,9 | —2 | +5 |
| 26 | +1,987 | +30,6 | —24,91 | —25,5 | —2 | +5 |
| 36 | +2,304 | +32,4 | —27,37 | —23,5 | —3 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 14 7 54,5729 | +20 4 15,445 |
| 1831 | 7 57,3053 | 3 56,458 |
| 1832 | 8 0,0377 | 3 37,474 |
| 1833 | 8 2,7701 | 3 18,491 |
| 1834 | 8 5,5025 | 2 59,511 |
| 1835 | 8 8,2350 | 2 40,533 |
| 1836 | 8 10,9675 | 2 21,557 |
| 1837 | 8 13,7000 | 2 2,583 |
| 1838 | 8 16,4325 | 1 43,612 |
| 1839 | 8 19,1650 | 1 24,642 |
| 1840 | 8 21,8974 | 1 5,675 |
| 1841 | 8 24,6299 | 0 46,710 |
| 1842 | 8 27,3624 | 0 27,747 |
| 1843 | 8 30,0949 | 0 8,787 |
| 1844 | 8 32,8275 | 19 59 49,828 |
| 1845 | 8 35,5601 | 59 30,872 |
| 1846 | 8 38,2927 | 59 11,918 |
| 1847 | 8 41,0253 | 58 52,966 |
| 1848 | 8 43,7579 | 58 34,016 |
| 1849 | 8 46,4905 | 58 15,068 |
| 1850 | 8 49,2232 | 57 56,122 |

Diei reducto addendum est:

ante } Oct. 27 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. 1 α *Libra*e.

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1830 | Jan. 0 | 14 41 17,858 | —15 17 0,71 |
| | Apr. 10 | 17,752 | 0,32 |
| | Jul. 19 | 17,649 | 0,00 |
| | Oct. 27 | 17,548 | 16 59,74 |
| | Dec. 66 | 17,449 | 59,55 |
| 1831 | Jan 0 | 14 41 20,783 | —15 17 14,98 |
| | Apr. 10 | 20,686 | 14,83 |
| | Jul. 19 | 20,595 | 14,75 |
| | Oct. 27 | 20,509 | 14,74 |
| | Dec. 66 | 20,428 | 14,79 |
| 1832 | Jan. 1 | 14 41 23,756 | —15 17 30,14 |
| | Apr. 10 | 23,679 | 30,24 |
| | Jul. 19 | 23,610 | 30,40 |
| | Oct. 27 | 23,549 | 30,63 |
| | Dec. 66 | 23,495 | 30,93 |
| 1833 | Jan. 0 | 14 41 26,813 | —15 17 46,19 |
| | Apr. 10 | 26,766 | 46,52 |
| | Jul. 19 | 26,727 | 46,91 |
| | Oct. 27 | 26,697 | 47,35 |
| | Dec. 66 | 26,676 | 47,84 |
| 1834 | Jan. 0 | 14 41 29,984 | —15 18 3,04 |
| | Apr. 10 | 29,969 | 3,56 |
| | Jul. 19 | 29,964 | 4,12 |
| | Oct. 27 | 29,968 | 4,72 |
| | Dec. 66 | 29,982 | 5,36 |
| 1835 | Jan. 0 | 14 41 33,278 | —15 18 20,50 |
| | Apr. 10 | 33,298 | 21,15 |
| | Jul. 19 | 33,327 | 21,82 |
| | Oct. 27 | 33,364 | 22,51 |
| | Dec. 66 | 33,410 | 23,21 |
| 1836 | Jan. 1 | 14 41 36,695 | —15 18 38,33 |
| | Apr. 10 | 36,747 | 39,04 |
| | Jul. 19 | 36,805 | 39,74 |
| | Oct. 27 | 36,871 | 40,43 |
| | Dec. 66 | 36,943 | 41,12 |
| 1837 | Jan. 0 | 14 41 40,220 | —15 18 56,25 |
| | Apr. 10 | 40,296 | 56,93 |
| | Jul. 19 | 40,377 | 57,59 |
| | Oct. 27 | 40,463 | 58,22 |
| | Dec. 66 | 40,555 | 58,82 |
| 1838 | Jan. 0 | 14 41 43,826 | —15 19 13,97 |
| | Apr. 10 | 43,919 | 14,56 |
| | Jul. 19 | 44,014 | 15,10 |
| | Oct. 27 | 44,111 | 15,60 |
| | Dec. 66 | 44,211 | 16,06 |
| 1839 | Jan. 0 | 14 41 47,480 | —15 19 31,25 |
| | Apr. 10 | 47,580 | 31,68 |
| | Jul. 19 | 47,680 | 32,05 |
| | Oct. 27 | 47,779 | 32,37 |
| | Dec. 66 | 47,877 | 32,63 |

| | | h ′ ″ | ° ′ ″ |
|---|---|---|---|
| 1840 | Jan. 1 | 14 41 51,147 | —15 19 47,89 |
| | Apr. 10 | 51,244 | 48,11 |
| | Jul. 19 | 51,337 | 48,27 |
| | Oct. 27 | 51,426 | 48,37 |
| | Dec. 66 | 51,512 | 48,41 |
| 1841 | Jan. 0 | 14 41 54,787 | —15 20 3,74 |
| | Apr. 10 | 54,869 | 3,74 |
| | Jul. 19 | 54,946 | 3,67 |
| | Oct. 27 | 55,017 | 3,54 |
| | Dec. 66 | 55,082 | 3,34 |
| 1842 | Jan. 0 | 14 41 58,363 | —15 20 18,75 |
| | Apr. 10 | 58,423 | 18,51 |
| | Jul. 19 | 58,475 | 18,22 |
| | Oct. 27 | 58,519 | 17,86 |
| | Dec. 66 | 58,554 | 17,45 |
| 1843 | Jan. 0 | 14 42 1,846 | —15 20 32,93 |
| | Apr. 10 | 1,876 | 32,48 |
| | Jul. 19 | 1,896 | 31,99 |
| | Oct. 27 | 1,907 | 31,45 |
| | Dec. 66 | 1,908 | 30,87 |
| 1844 | Jan. 1 | 14 42 5,212 | —15 20 46,40 |
| | Apr. 10 | 5,207 | 45,79 |
| | Jul. 19 | 5,193 | 45,16 |
| | Oct. 27 | 5,169 | 44,49 |
| | Dec. 66 | 5,136 | 43,80 |
| 1845 | Jan. 0 | 14 42 8,451 | —15 20 59,36 |
| | Apr. 10 | 8,412 | 58,65 |
| | Jul. 19 | 8,364 | 57,94 |
| | Oct. 27 | 8,308 | 57,22 |
| | Dec. 66 | 8,243 | 56,50 |
| 1846 | Jan. 0 | 14 42 11,569 | —15 21 12,07 |
| | Apr. 10 | 11,499 | 11,35 |
| | Jul. 19 | 11,423 | 10,64 |
| | Oct. 27 | 11,340 | 9 96 |
| | Dec. 66 | 11,251 | 9,29 |
| 1847 | Jan. 0 | 14 42 14,585 | —15 21 24,83 |
| | Apr. 10 | 14,492 | 24,18 |
| | Jul. 19 | 14,396 | 23,57 |
| | Oct. 27 | 14,297 | 23,00 |
| | Dec. 66 | 14,194 | 22,46 |
| 1848 | Jan. 1 | 14 42 17,532 | —15 21 37,95 |
| | Apr. 10 | 17,428 | 37,45 |
| | Jul. 19 | 17,324 | 37,00 |
| | Oct. 27 | 17,220 | 36,61 |
| | Dec. 66 | 17,115 | 36,27 |
| 1849 | Jan. 0 | 14 42 20,453 | —15 21 51,69 |
| | Apr. 10 | 20,350 | 51,40 |
| | Jul. 19 | 20,250 | 51,17 |
| | Oct. 27 | 20,153 | 51,01 |
| | Dec. 66 | 20,060 | 50,92 |

## Tabulae X. Sect. V. 1a *Librae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,693 | +31,6 | + 3,45 | −15,2 | −3 | +1 |
| 10 | −0,368 | +32,9 | + 1,87 | −16,2 | −3 | +1 |
| 20 | −0,036 | +33,2 | + 0,22 | −16,6 | −3 | +2 |
| 30 | +0,296 | +32,7 | − 1,45 | −16,5 | −3 | +2 |
| Febr. 9 | +0,618 | +31,4 | − 3,08 | −15,8 | −3 | +2 |
| 19 | +0,923 | +29,4 | − 4,61 | −14,7 | −3 | +2 |
| Mart. 1 | +1,206 | +27,1 | − 6,02 | −13,3 | −2 | +2 |
| 11 | +1,464 | +24,4 | − 7,26 | −11,6 | −2 | +3 |
| 21 | +1,694 | +21,6 | − 8,33 | − 9,8 | −1 | +3 |
| 31 | +1,895 | +18,7 | − 9,21 | − 8,0 | −1 | +3 |
| Apr. 10 | +2,067 | +15,8 | − 9,92 | − 6,2 | 0 | +2 |
| 20 | +2,210 | +12,9 | −10,45 | − 4,6 | 0 | +2 |
| 30 | +2,325 | +10,1 | −10,83 | − 3,1 | +1 | +2 |
| Maj. 10 | +2,411 | + 7,3 | −11,07 | − 1,8 | +1 | +2 |
| 20 | +2,470 | + 4,6 | −11,19 | − 0,7 | +2 | +2 |
| 30 | +2,502 | + 1,8 | −11,21 | + 0,3 | +2 | +2 |
| Jun. 9 | +2,506 | − 0,9 | −11,13 | + 1,2 | +3 | +2 |
| 19 | +2,484 | − 3,6 | −10,98 | + 1,9 | +3 | +1 |
| 29 | +2,435 | − 6,1 | −10,76 | + 2,6 | +4 | +1 |
| Jul. 9 | +2,362 | − 8,5 | −10,47 | + 3,2 | +4 | +1 |
| 19 | +2,266 | −10,5 | −10,12 | + 3,8 | +4 | +1 |
| 29 | +2,152 | −12,2 | − 9,71 | + 4,4 | +4 | +1 |
| Aug. 8 | +2,022 | −13,5 | − 9,25 | + 4,8 | +4 | 0 |
| 18 | +1,883 | −14,0 | − 8,76 | + 5,1 | +4 | 0 |
| 28 | +1,743 | −13,8 | − 8,24 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,607 | −12,9 | − 7,72 | + 5,0 | +3 | 0 |
| 17 | +1,485 | −11,1 | − 7,24 | + 4,6 | +3 | 0 |
| 27 | +1,386 | − 8,3 | − 6,81 | + 3,8 | +3 | 0 |
| Oct. 7 | +1,319 | − 4,8 | − 6,49 | + 2,6 | +2 | 0 |
| 17 | +1,290 | − 0,7 | − 6,29 | + 1,1 | +2 | +1 |
| 27 | +1,306 | + 4,1 | − 6,28 | − 0,9 | +1 | +1 |
| Nov. 6 | +1,371 | + 9,1 | − 6,47 | − 3,1 | +1 | +1 |
| 16 | +1,488 | +14,2 | − 6,89 | − 5,5 | 0 | +2 |
| 26 | +1,655 | +19,1 | − 7,56 | − 7,9 | 0 | +2 |
| Dec. 6 | +1,869 | +23,6 | − 8,47 | −10,3 | −1 | +3 |
| 16 | +2,126 | +27,4 | − 9,62 | −12,5 | −1 | +3 |
| 26 | +2,416 | +30,2 | −10,96 | −14,3 | −1 | +4 |
| 36 | +2,729 | +32,2 | −12,47 | −15,6 | −2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 14 41 17,8702 | −15 17 7,161 |
| 1831 | 41 21,1711 | 17 22,533 |
| 1832 | 41 24,4722 | 17 37,902 |
| 1833 | 41 27,7734 | 17 53,268 |
| 1834 | 41 31,0748 | 18 8,630 |
| 1835 | 41 34,3763 | 18 23,990 |
| 1836 | 41 37,6780 | 18 39,346 |
| 1837 | 41 40,9798 | 18 54,700 |
| 1838 | 41 44,2818 | 19 10,050 |
| 1839 | 41 47,5840 | 19 25,397 |
| 1840 | 41 50,8863 | 19 40,741 |
| 1841 | 41 54,1888 | 19 56,082 |
| 1842 | 41 57,4914 | 20 11,419 |
| 1843 | 42 0,7942 | 20 26,754 |
| 1844 | 42 4,0971 | 20 42,086 |
| 1845 | 42 7,4002 | 20 57,414 |
| 1846 | 42 10,7034 | 21 12,740 |
| 1847 | 42 14,0068 | 21 28,062 |
| 1848 | 42 17,3104 | 21 43,381 |
| 1849 | 42 20,6141 | 21 58,697 |
| 1850 | 42 23,9180 | 22 14,010 |

Diei reducto addendum est:

ante } Nov. 4 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. 2a *Libraé.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 14 41 29,237 | —15 19 42,18 | 1840 | Jan. 1 | 14 42 2,545 | —15 22 29,07 |
| | Apr. 10 | 29,132 | 41,80 | | Apr. 10 | 2,642 | 29,29 |
| | Jul. 19 | 29,029 | 41,48 | | Jul. 19 | 2,735 | 29,45 |
| | Oct. 27 | 28,928 | 41,22 | | Oct. 27 | 2,825 | 29,55 |
| | Dec. 66 | 28,829 | 41,03 | | Dec. 66 | 2,911 | 29,58 |
| 1831 | Jan. 0 | 14 41 32,165 | —15 19 56,43 | 1841 | Jan. 0 | 14 42 6,187 | —15 22 44,89 |
| | Apr. 10 | 32,069 | 56,28 | | Apr. 10 | 6,270 | 44,88 |
| | Jul. 19 | 31,977 | 56,20 | | Jul. 19 | 6,347 | 44,81 |
| | Oct. 27 | 31,890 | 56,19 | | Oct. 27 | 6,418 | 44,68 |
| | Dec. 66 | 31,809 | 56,24 | | Dec. 66 | 6,482 | 44,48 |
| 1832 | Jan. 1 | 14 41 35,139 | —15 20 11,55 | 1842 | Jan. 0 | 14 42 9,766 | —15 22 59,86 |
| | Apr. 10 | 35,062 | 11,65 | | Apr. 10 | 9,826 | 59,62 |
| | Jul. 19 | 34,993 | 11,82 | | Jul. 19 | 9,878 | 59,32 |
| | Oct. 27 | 34,932 | 12,05 | | Oct. 27 | 9,922 | 58,97 |
| | Dec. 66 | 34,878 | 12,34 | | Dec. 66 | 9,957 | 58,56 |
| 1833 | Jan. 0 | 14 41 38,199 | —15 20 27,57 | 1843 | Jan. 0 | 14 42 13,251 | —15 23 14,01 |
| | Apr. 10 | 38,151 | 27,90 | | Apr. 10 | 13,280 | 13,56 |
| | Jul. 19 | 38,112 | 28,29 | | Jul. 19 | 13,300 | 13,07 |
| | Oct. 27 | 38,082 | 28,73 | | Oct. 27 | 13,311 | 12,53 |
| | Dec. 66 | 38,061 | 29,23 | | Dec. 66 | 13,313 | 11,95 |
| 1834 | Jan. 0 | 14 41 41,370 | —15 20 44,39 | 1844 | Jan. 1 | 14 42 16,618 | —15 23 27,45 |
| | Apr. 10 | 41,356 | 44,92 | | Apr. 10 | 16,613 | 26,84 |
| | Jul. 19 | 41,351 | 45,48 | | Jul. 19 | 16,599 | 26,20 |
| | Oct. 27 | 41,355 | 46,08 | | Oct. 27 | 16,576 | 25,53 |
| | Dec. 66 | 41,369 | 46,72 | | Dec. 66 | 16,543 | 24,84 |
| 1835 | Jan. 0 | 14 41 44,667 | —15 21 1,83 | 1845 | Jan. 0 | 14 42 19,860 | —15 23 40,37 |
| | Apr. 10 | 44,687 | 2,48 | | Apr. 10 | 19,821 | 39,67 |
| | Jul. 19 | 44,715 | 3,15 | | Jul. 19 | 19,773 | 38,96 |
| | Oct. 27 | 44,753 | 3,84 | | Oct. 27 | 19,717 | 38,24 |
| | Dec. 66 | 44,799 | 4,54 | | Dec. 66 | 19,652 | 37,51 |
| 1836 | Jan. 1 | 14 41 48,086 | —15 21 19,63 | 1846 | Jan. 0 | 14 42 22,980 | —15 23 53,05 |
| | Apr. 10 | 48,137 | 20,34 | | Apr. 10 | 22,910 | 52,33 |
| | Jul. 19 | 48,195 | 21,04 | | Jul. 19 | 22,833 | 51,62 |
| | Oct. 27 | 48,260 | 21,73 | | Oct. 27 | 22,750 | 50,94 |
| | Dec. 66 | 48,333 | 22,42 | | Dec. 66 | 22,661 | 50,27 |
| 1837 | Jan. 0 | 14 41 51,612 | —15 21 37,52 | 1847 | Jan. 0 | 14 42 25,997 | —15 24 5,78 |
| | Apr. 10 | 51,689 | 38,20 | | Apr. 10 | 25,905 | 5,13 |
| | Jul. 19 | 51,770 | 38,85 | | Jul. 19 | 25,809 | 4,52 |
| | Oct. 27 | 51,856 | 39,48 | | Oct. 27 | 25,709 | 3,95 |
| | Dec. 66 | 51,947 | 40,09 | | Dec. 66 | 25,606 | 3,41 |
| 1838 | Jan. 0 | 14 41 55,220 | —15 21 55,21 | 1848 | Jan. 1 | 14 42 28,946 | —15 24 18,87 |
| | Apr. 10 | 55,314 | 55,79 | | Apr. 10 | 28,842 | 18,37 |
| | Jul. 19 | 55,409 | 56,33 | | Jul. 19 | 28,738 | 17,92 |
| | Oct. 27 | 55,507 | 56,83 | | Oct. 27 | 28,634 | 17,53 |
| | Dec. 66 | 55,606 | 57,29 | | Dec. 66 | 28,529 | 17,20 |
| 1839 | Jan. 0 | 14 41 58,877 | —15 22 12,46 | 1849 | Jan. 0 | 14 42 31,869 | —15 24 32,59 |
| | Apr. 10 | 58,977 | 12,89 | | Apr. 10 | 31,766 | 32,30 |
| | Jul. 19 | 59,077 | 13,26 | | Jul. 19 | 31,666 | 32,07 |
| | Oct. 27 | 59,176 | 13,57 | | Oct. 27 | 31,569 | 31,91 |
| | Dec. 66 | 59,274 | 13,83 | | Dec. 66 | 31,475 | 31,81 |

## Tabulae X. Sect. V. 2a *Librae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,694 | +31,6 | + 3,47 | —15,2 | —3 | +1 |
| 10 | —0,369 | +32,9 | + 1,89 | —16,2 | —3 | +1 |
| 20 | —0,037 | +33,2 | + 0,24 | —16,6 | —3 | +2 |
| 30 | +0,295 | +32,7 | — 1,43 | —16,5 | —3 | +2 |
| Febr. 9 | +0,617 | +31,4 | — 3,06 | —15,8 | —3 | +2 |
| 19 | +0,922 | +29,5 | — 4,59 | —14,7 | —3 | +2 |
| Mart. 1 | +1,206 | +27,1 | — 6,00 | —13,3 | —2 | +2 |
| 11 | +1,464 | +24,4 | — 7,24 | —11,6 | —2 | +3 |
| 21 | +1,694 | +21,6 | — 8,31 | — 9,8 | —1 | +3 |
| 31 | +1,895 | +18,7 | — 9,20 | — 8,0 | —1 | +3 |
| Apr. 10 | +2,067 | +15,8 | — 9,90 | — 6,2 | 0 | +2 |
| 20 | +2,211 | +13,0 | —10,43 | — 4,6 | 0 | +2 |
| 30 | +2,326 | +10,1 | —10,81 | — 3,1 | +1 | +2 |
| Maj. 10 | +2,412 | + 7,3 | —11,05 | — 1,9 | +1 | +2 |
| 20 | +2,472 | + 4,6 | —11,18 | — 0,8 | +2 | +2 |
| 30 | +2,504 | + 1,8 | —11,20 | + 0,3 | +2 | +2 |
| Jun. 9 | +2,508 | — 0,9 | —11,12 | + 1,2 | +3 | +2 |
| 19 | +2,486 | — 3,6 | —10,97 | + 1,9 | +3 | +1 |
| 29 | +2,437 | — 6,1 | —10,75 | + 2,6 | +4 | +1 |
| Jul. 9 | +2,364 | — 8,4 | —10,46 | + 3,2 | +4 | +1 |
| 19 | +2,269 | —10,5 | —10,11 | + 3,8 | +4 | +1 |
| 29 | +2,154 | —12,3 | — 9,70 | + 4,3 | +4 | +1 |
| Aug. 8 | +2,024 | —13,4 | — 9,25 | + 4,8 | +4 | 0 |
| 18 | +1,886 | —14,0 | — 8,75 | + 5,1 | +4 | 0 |
| 28 | +1,744 | —13,9 | — 8,24 | + 5,2 | +4 | 0 |
| Sept. 7 | +1,609 | —12,9 | — 7,72 | + 5,1 | +3 | 0 |
| 17 | +1,487 | —11,1 | — 7,23 | + 4,6 | +3 | 0 |
| 27 | +1,388 | — 8,4 | — 6,80 | + 3,8 | +3 | 0 |
| Oct. 7 | +1,320 | — 4,9 | — 6,47 | + 2,6 | +2 | 0 |
| 17 | +1,291 | — 0,7 | — 6,28 | + 1,1 | +2 | +1 |
| 27 | +1,307 | + 4,1 | — 6,26 | — 0,9 | +1 | +1 |
| Nov. 6 | +1,372 | + 9,1 | — 6,45 | — 3,0 | +1 | +1 |
| 16 | +1,489 | +14,2 | — 6,86 | — 5,4 | 0 | +2 |
| 26 | +1,656 | +19,1 | — 7,53 | — 7,9 | 0 | +2 |
| Dec. 6 | +1,870 | +23,5 | — 8,44 | —10,3 | —1 | +3 |
| 16 | +2,126 | +27,3 | — 9,58 | —12,4 | —1 | +3 |
| 26 | +2,416 | +30,2 | —10,92 | —14,3 | —1 | +4 |
| 36 | +2,730 | +32,2 | —12,43 | —15,6 | —2 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h | ° |
| 1830 | 14 41 29,2497 | —15 19 48,637 |
| 1831 | 41 32,5525 | 20 3,979 |
| 1832 | 41 35,8555 | 20 19,318 |
| 1833 | 41 39,1586 | 20 34,653 |
| 1834 | 41 42,4619 | 20 49,985 |
| 1835 | 41 45,7654 | 21 5,313 |
| 1836 | 41 49,0690 | 21 20,639 |
| 1837 | 41 52,3728 | 21 35,962 |
| 1838 | 41 55,6767 | 21 51,282 |
| 1839 | 41 58,9808 | 22 6,599 |
| 1840 | 42 2,2849 | 22 21,912 |
| 1841 | 42 5,5893 | 22 37,222 |
| 1842 | 42 8,8938 | 22 52,529 |
| 1843 | 42 12,1985 | 23 7,833 |
| 1844 | 42 15,5033 | 23 23,134 |
| 1845 | 42 18,8083 | 23 38,432 |
| 1846 | 42 22,1134 | 23 53,727 |
| 1847 | 42 25,4187 | 24 9,019 |
| 1848 | 42 28,7242 | 24 24,307 |
| 1849 | 42 32,0298 | 24 39,592 |
| 1850 | 42 35,3356 | 24 54,874 |

Diei reducto addendum est:

| | | |
|---|---|---|
| ante | Nov. 4 | + 1 |
| post | | + 2 |

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. α Coronae.

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 15 27 29,209 | +27 17 37,35 | 1840 | Jan. 1 | 15 27 55,336 | +27 15 17,39 |
| | Apr. 10 | 29,133 | 37,62 | | Apr. 10 | 55,401 | 17,29 |
| | Jul. 19 | 29,051 | 37,82 | | Jul. 19 | 55,460 | 17,26 |
| | Oct. 27 | 28,993 | 37,95 | | Oct. 27 | 55,515 | 17,30 |
| | Dec. 66 | 28,930 | 38,01 | | Dec. 66 | 55,564 | 17,40 |
| 1831 | Jan. 0 | 15 27 31,487 | +27 17 25,55 | 1841 | Jan. 0 | 15 27 58,035 | +27 15 4,94 |
| | Apr. 10 | 31,427 | 25,56 | | Apr. 10 | 58,131 | 5,09 |
| | Jul. 19 | 31,372 | 25,50 | | Jul. 19 | 58,171 | 5,30 |
| | Oct. 27 | 31,323 | 25,37 | | Oct. 27 | 58,205 | 5,57 |
| | Dec. 66 | 31,280 | 25,16 | | Dec. 66 | 58,232 | 5,91 |
| 1832 | Jan. 1 | 15 27 33,331 | +27 17 12,79 | 1842 | Jan. 0 | 15 28 0,760 | +27 14 53,37 |
| | Apr. 10 | 33,792 | 12,54 | | Apr. 10 | 0,783 | 53,75 |
| | Jul. 19 | 33,760 | 12,23 | | Jul. 19 | 0,799 | 54,19 |
| | Oct. 27 | 33,736 | 11,86 | | Oct. 27 | 0,808 | 54,68 |
| | Dec. 66 | 33,720 | 11,42 | | Dec. 66 | 0,809 | 55,22 |
| 1833 | Jan. 0 | 15 27 36,262 | +27 16 59,13 | 1843 | Jan. 0 | 15 28 3,346 | +27 14 42,62 |
| | Apr. 10 | 36,250 | 58,66 | | Apr. 10 | 3,343 | 43,20 |
| | Jul. 19 | 36,245 | 58,14 | | Jul. 19 | 3,332 | 43,81 |
| | Oct. 27 | 36,248 | 57,56 | | Oct. 27 | 3,315 | 44,46 |
| | Dec. 66 | 36,259 | 56,94 | | Dec. 66 | 3,290 | 45,15 |
| 1834 | Jan. 0 | 15 27 38,791 | +27 16 44,71 | 1844 | Jan. 1 | 15 28 5,836 | +27 14 32,50 |
| | Apr. 10 | 38,807 | 44,06 | | Apr. 10 | 5,806 | 33,21 |
| | Jul. 19 | 38,829 | 43,39 | | Jul. 19 | 5,770 | 33,93 |
| | Oct. 27 | 38,859 | 42,69 | | Oct. 27 | 5,727 | 34,68 |
| | Dec. 66 | 38,895 | 41,97 | | Dec. 66 | 5,677 | 35,44 |
| 1835 | Jan. 0 | 15 27 41,418 | +27 16 29,77 | 1845 | Jan. 0 | 15 28 8,231 | +27 14 22,77 |
| | Apr. 10 | 41,459 | 29,04 | | Apr. 10 | 8,179 | 23,53 |
| | Jul. 19 | 41,505 | 28,30 | | Jul. 19 | 8,120 | 24,29 |
| | Oct. 27 | 41,556 | 27,55 | | Oct. 27 | 8,057 | 25,04 |
| | Dec. 66 | 41,613 | 26,80 | | Dec. 66 | 7,988 | 25,78 |
| 1836 | Jan. 1 | 15 27 44,130 | +27 16 14,62 | 1846 | Jan. 0 | 15 28 10,548 | +27 14 13,13 |
| | Apr. 10 | 44,190 | 13,88 | | Apr. 10 | 10,476 | 13,86 |
| | Jul. 19 | 44,254 | 13,15 | | Jul. 19 | 10,402 | 14,56 |
| | Oct. 27 | 44,322 | 12,44 | | Oct. 27 | 10,225 | 15,24 |
| | Dec. 66 | 44,393 | 11,75 | | Dec. 66 | 10,246 | 15,87 |
| 1837 | Jan. 0 | 15 27 46,906 | +27 15 59,54 | 1847 | Jan. 0 | 15 28 12,810 | +27 14 3,25 |
| | Apr. 10 | 46,979 | 58,87 | | Apr. 10 | 12,729 | 3,86 |
| | Jul. 19 | 47,054 | 58,23 | | Jul. 19 | 12,648 | 4,42 |
| | Oct. 27 | 47,130 | 57,64 | | Oct. 27 | 12,567 | 4,93 |
| | Dec. 66 | 47,208 | 57,08 | | Dec. 66 | 12,485 | 5,38 |
| 1838 | Jan. 0 | 15 27 49,719 | +27 15 44,83 | 1848 | Jan. 1 | 15 28 15,049 | +27 13 52,84 |
| | Apr. 10 | 49,797 | 44,30 | | Apr. 10 | 14,968 | 53,25 |
| | Jul. 19 | 49,875 | 43,83 | | Jul. 19 | 14,890 | 53,60 |
| | Oct. 27 | 49,952 | 43,40 | | Oct. 27 | 14,814 | 53,88 |
| | Dec. 66 | 50,028 | 43,03 | | Dec. 66 | 14,741 | 54,10 |
| 1839 | Jan. 0 | 15 27 52,539 | +27 15 30,72 | 1849 | Jan. 0 | 15 28 17,302 | +27 13 41,64 |
| | Apr. 10 | 52,614 | 30,39 | | Apr. 10 | 17,231 | 41,81 |
| | Jul. 19 | 52,686 | 30,12 | | Jul. 19 | 17,165 | 41,91 |
| | Oct. 27 | 52,755 | 29,92 | | Oct. 27 | 17,104 | 41,94 |
| | Dec. 66 | 52,822 | 29,78 | | Dec. 66 | 17,047 | 41,89 |

## Tabulae X. Sect. V. *α Coronae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,022 | +27,9 | — 7,68 | —27,5 | —2 | +2 |
| 10 | —0,728 | +30,5 | —10,31 | —24,9 | —2 | +2 |
| 20 | —0,413 | +32,1 | —12,65 | —21,4 | —2 | +2 |
| 30 | —0,086 | +32,9 | —14,59 | —17,2 | —3 | +2 |
| Febr. 9 | +0,244 | +32,7 | —16,09 | —12,5 | —3 | +1 |
| 19 | +0,567 | +31,6 | —17,09 | — 7,4 | —3 | +1 |
| Mart. 1 | +0,876 | +30,0 | —17,57 | — 2,2 | —3 | +1 |
| 11 | +1,166 | +27,8 | —17,53 | + 2,9 | —3 | 0 |
| 21 | +1,431 | +25,1 | —16,99 | + 7,7 | —2 | 0 |
| 31 | +1,668 | +22,2 | —16,00 | +12,0 | —2 | 0 |
| Apr. 10 | +1,874 | +19,1 | —14,60 | +15,7 | —2 | 0 |
| 20 | +2,049 | +15,8 | —12,87 | +18,5 | —1 | —1 |
| 30 | +2,190 | +12,5 | —10,90 | +20,6 | —1 | —1 |
| Maj. 10 | +2,298 | + 9,1 | — 8,76 | +21,8 | 0 | —1 |
| 20 | +2,372 | + 5,7 | — 6,55 | +22,1 | 0 | —1 |
| 30 | +2,412 | + 2,3 | — 4,34 | +21,8 | +1 | —1 |
| Jun. 9 | +2,418 | — 1,0 | — 2,20 | +20,7 | +1 | —1 |
| 19 | +2,392 | — 4,2 | — 0,20 | +19,1 | +1 | 0 |
| 29 | +2,334 | — 7,3 | + 1,61 | +16,9 | +2 | 0 |
| Jul. 9 | +2,246 | —10,2 | + 3,17 | +14,2 | +2 | 0 |
| 19 | +2,130 | —12,8 | + 4,45 | +11,3 | +2 | 0 |
| 29 | +1,990 | —15,1 | + 5,42 | + 8,1 | +2 | 0 |
| Aug. 8 | +1,829 | —16,9 | + 6,06 | + 4,7 | +3 | +1 |
| 18 | +1,653 | —18,0 | + 6,36 | + 1,2 | +3 | +1 |
| 28 | +1,469 | —18,4 | + 6,30 | — 2,4 | +3 | +1 |
| Sept. 7 | +1,285 | —18,1 | + 5,88 | — 6,1 | +3 | +2 |
| 17 | +1,107 | —16,9 | + 5,09 | — 9,7 | +2 | +2 |
| 27 | +0,947 | —14,8 | + 3,94 | —13,2 | +2 | +3 |
| Oct. 7 | +0,811 | —11,9 | + 2,45 | —16,7 | +2 | +3 |
| 17 | +0,709 | — 8,1 | + 0,61 | —19,9 | +2 | +3 |
| 27 | +0,649 | — 3,7 | — 1,53 | —22,9 | +1 | +4 |
| Nov. 6 | +0,636 | + 1,3 | — 3,96 | —25,5 | +1 | +4 |
| 16 | +0,675 | + 6,6 | — 6,63 | —27,6 | 0 | +4 |
| 26 | +0,768 | +11,9 | — 9,47 | —29,0 | 0 | +5 |
| Dec. 6 | +0,913 | +17,0 | —12,43 | —29,8 | 0 | +5 |
| 16 | +1,108 | +21,7 | —15,42 | —29,6 | —1 | +5 |
| 26 | +1,347 | +25,7 | —18,35 | —28,5 | —1 | +5 |
| 36 | +1,622 | +29,0 | —21,12 | —26,6 | —2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 15 27 29,5054 | +27 17 29,756 |
| 1831 | 27 32,0419 | 17 17,304 |
| 1832 | 27 34,5785 | 17 4,855 |
| 1833 | 27 37,1151 | 16 52,409 |
| 1834 | 27 39,6517 | 16 39,966 |
| 1835 | 27 42,1883 | 16 27,525 |
| 1836 | 27 44,7250 | 16 15,088 |
| 1837 | 27 47,2617 | 16 2,654 |
| 1838 | 27 49,7984 | 15 50,223 |
| 1839 | 27 52,3351 | 15 37,795 |
| 1840 | 27 54,8718 | 15 25,368 |
| 1841 | 27 57,4086 | 15 12,946 |
| 1842 | 27 59,9454 | 15 0,527 |
| 1843 | 28 2,4822 | 14 48,111 |
| 1844 | 28 5,0191 | 14 35,698 |
| 1845 | 28 7,5559 | 14 23,285 |
| 1846 | 28 10,0928 | 14 10,877 |
| 1847 | 28 12,6297 | 13 58,472 |
| 1848 | 28 15,1667 | 13 46,070 |
| 1849 | 28 17,7037 | 13 33,671 |
| 1850 | 28 20,2407 | 13 21,277 |

Diei reducto addendum est:

ante } Nov. 16 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Serpentis.*

| | | | |
|---|---|---|---|
| 1830 | Jan. 0 | 15 35′ 53″,826 | + 6° 58′ 4″,87 |
| | Apr. 10 | 53,735 | 5,12 |
| | Jul. 19 | 53,647 | 5,30 |
| | Oct. 27 | 53,562 | 5,40 |
| | Dec. 66 | 53,481 | 5,44 |
| 1831 | Jan. 0 | 15 35 56,457 | + 6 57 53,69 |
| | Apr. 10 | 56,378 | 53,68 |
| | Jul. 19 | 56,305 | 53,59 |
| | Oct. 27 | 56,238 | 53,43 |
| | Dec. 66 | 56,176 | 53,20 |
| 1832 | Jan. 1 | 15 35 59,146 | + 6 57 41,53 |
| | Apr. 10 | 59,089 | 41,26 |
| | Jul. 19 | 59,039 | 40,92 |
| | Oct. 27 | 58,997 | 40,52 |
| | Dec. 66 | 58,962 | 40,06 |
| 1833 | Jan. 0 | 15 36 1,923 | + 6 57 28,48 |
| | Apr. 10 | 1,893 | 27,98 |
| | Jul. 19 | 1,872 | 27,43 |
| | Oct. 27 | 1,860 | 26,84 |
| | Dec. 66 | 1,856 | 26,20 |
| 1834 | Jan. 0 | 15 36 4,806 | + 6 57 14,68 |
| | Apr. 10 | 4,807 | 14,02 |
| | Jul. 19 | 4,817 | 13,33 |
| | Oct. 27 | 4,835 | 12,61 |
| | Dec. 66 | 4,861 | 11,87 |
| 1835 | Jan. 0 | 15 36 7,801 | + 6 57 0,38 |
| | Apr. 10 | 7,833 | 56 59,63 |
| | Jul. 19 | 7,871 | 58,88 |
| | Oct. 27 | 7,916 | 58,13 |
| | Dec. 66 | 7,968 | 57,38 |
| 1836 | Jan. 1 | 15 36 10,900 | + 6 56 45,89 |
| | Apr. 10 | 10,957 | 45,15 |
| | Jul. 19 | 11,019 | 44,42 |
| | Oct. 27 | 11,087 | 43,71 |
| | Dec. 66 | 11,160 | 43,02 |
| 1837 | Jan. 0 | 15 36 14,085 | + 6 56 31,51 |
| | Apr. 10 | 14,161 | 30,85 |
| | Jul. 19 | 14,240 | 30,22 |
| | Oct. 27 | 14,322 | 29,63 |
| | Dec. 66 | 14,407 | 29,08 |
| 1838 | Jan. 0 | 15 36 17,329 | + 6 56 17,53 |
| | Apr. 10 | 17,416 | 17,01 |
| | Jul. 19 | 17,503 | 16,55 |
| | Oct. 27 | 17,591 | 16,15 |
| | Dec. 66 | 17,679 | 15,80 |
| 1839 | Jan. 0 | 15 36 20,600 | + 6 56 4,18 |
| | Apr. 10 | 20,688 | 3,87 |
| | Jul. 19 | 20,774 | 3,62 |
| | Oct. 27 | 20,858 | 3,44 |
| | Dec. 66 | 20,941 | 3,32 |
| 1840 | Jan. 1 | 15h 36′ 23″,864 | + 6° 55′ 51″,63 |
| | Apr. 10 | 23,945 | 51,56 |
| | Jul. 19 | 24,021 | 51,55 |
| | Oct. 27 | 24,094 | 51,61 |
| | Dec. 66 | 24,162 | 51,74 |
| 1841 | Jan. 0 | 15 36 27,089 | + 6 55 39,97 |
| | Apr. 10 | 27,153 | 40,14 |
| | Jul. 19 | 27,211 | 40,38 |
| | Oct. 27 | 27,263 | 40,68 |
| | Dec. 66 | 27,308 | 41,05 |
| 1842 | Jan. 0 | 15 36 30,244 | + 6 55 29,20 |
| | Apr. 10 | 30,285 | 29,61 |
| | Jul. 19 | 30,318 | 30,07 |
| | Oct. 27 | 30,343 | 30,58 |
| | Dec. 66 | 30,361 | 31,15 |
| 1843 | Jan. 0 | 15 36 33,306 | + 6 55 19,24 |
| | Apr. 10 | 33,319 | 19,84 |
| | Jul. 19 | 33,323 | 20,47 |
| | Oct. 27 | 33,319 | 21,14 |
| | Dec. 66 | 33,306 | 21,84 |
| 1844 | Jan. 1 | 15 36 36,261 | + 6 55 9,90 |
| | Apr. 10 | 36,242 | 10,62 |
| | Jul. 19 | 36,216 | 11,36 |
| | Oct. 27 | 36,182 | 12,11 |
| | Dec. 66 | 36,140 | 12,88 |
| 1845 | Jan. 0 | 15 36 39,105 | + 6 55 0,92 |
| | Apr. 10 | 39,057 | 1,69 |
| | Jul. 19 | 39,003 | 2,45 |
| | Oct. 27 | 38,942 | 3,20 |
| | Dec. 66 | 38,875 | 3,95 |
| 1846 | Jan. 0 | 15 36 41,849 | + 6 54 52,00 |
| | Apr. 10 | 41,777 | 52,74 |
| | Jul. 19 | 41,701 | 53,42 |
| | Oct. 27 | 41,620 | 54,09 |
| | Dec. 66 | 41,534 | 54,72 |
| 1847 | Jan. 0 | 15 36 44,514 | + 6 54 42,81 |
| | Apr. 10 | 44,426 | 43,41 |
| | Jul. 19 | 44,336 | 43,96 |
| | Oct. 27 | 44,245 | 44,46 |
| | Dec. 66 | 44,153 | 44,89 |
| 1848 | Jan. 1 | 15 36 47,134 | + 6 54 33,06 |
| | Apr. 10 | 47,041 | 33,45 |
| | Jul. 19 | 46,949 | 33,77 |
| | Oct. 27 | 46,858 | 34,03 |
| | Dec. 66 | 46,769 | 34,23 |
| 1849 | Jan. 0 | 15 36 49,750 | + 6 54 22,49 |
| | Apr. 10 | 49,663 | 22,64 |
| | Jul. 19 | 49,579 | 22,71 |
| | Oct. 27 | 49,500 | 22,71 |
| | Dec. 66 | 49,424 | 22,64 |

## Tabulae X. Sect. V. *α Serpentis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —0,937 | +26,8 | — 2,75 | —21,5 | —2 | +1 |
| 10 | —0,657 | +29,0 | — 4,87 | —20,5 | —2 | +2 |
| 20 | —0,358 | +30,4 | — 6,85 | —18,9 | —3 | +2 |
| 30 | —0,049 | +30,9 | — 8,64 | —16,5 | —3 | +2 |
| Febr. 9 | +0,260 | +30,7 | —10,15 | —13,6 | —3 | +2 |
| 19 | +0,564 | +29,8 | —11,36 | —10,4 | —3 | +2 |
| Mart. 1 | +0,856 | +28,3 | —12,22 | — 6,8 | —3 | +1 |
| 11 | +1,130 | +26,4 | —12,71 | — 3,1 | —2 | +1 |
| 21 | +1,384 | +24,3 | —12,83 | + 0,5 | —2 | +1 |
| 31 | +1,615 | +21,9 | —12,62 | + 3,7 | —2 | +1 |
| Apr. 10 | +1,822 | +19,4 | —12,09 | + 6,7 | —1 | +1 |
| 20 | +2,002 | +16,7 | —11,29 | + 9,1 | —1 | +1 |
| 30 | +2,155 | +13,9 | —10,28 | +10,9 | 0 | +1 |
| Maj. 10 | +2,280 | +11,2 | — 9,12 | +12,2 | 0 | +1 |
| 20 | +2,378 | + 8,3 | — 7,85 | +13,0 | +1 | +1 |
| 30 | +2,446 | + 5,3 | — 6,53 | +13,2 | +1 | +1 |
| Jun. 9 | +2,484 | + 2,3 | — 5,22 | +12,9 | +1 | +1 |
| 19 | +2,492 | — 0,7 | — 3,95 | +12,3 | +2 | +1 |
| 29 | +2,471 | — 3,6 | — 2,77 | +11,3 | +2 | +1 |
| Jul. 9 | +2,420 | — 6,5 | — 1,70 | +10,0 | +2 | +1 |
| 19 | +2,341 | — 9,2 | — 0,77 | + 8,6 | +3 | +1 |
| 29 | +2,237 | —11,5 | + 0,01 | + 6,9 | +3 | +1 |
| Aug. 8 | +2,111 | —13,5 | + 0,61 | + 5,1 | +3 | +1 |
| 18 | +1,968 | —14,8 | + 1,03 | + 3,3 | +3 | +1 |
| 28 | +1,816 | —15,4 | + 1,26 | + 1,2 | +3 | +1 |
| Sept. 7 | +1,660 | —15,4 | + 1,27 | — 0,9 | +3 | +2 |
| 17 | +1,509 | —14,4 | + 1,08 | — 3,1 | +3 | +2 |
| 27 | +1,373 | —12,6 | + 0,65 | — 5,4 | +3 | +2 |
| Oct. 7 | +1,258 | — 9,9 | 0,00 | — 7,8 | +2 | +2 |
| 17 | +1,176 | — 6,4 | — 0,90 | —10,3 | +2 | +3 |
| 27 | +1,131 | — 2,2 | — 2,05 | —12,7 | +1 | +3 |
| Nov. 6 | +1,132 | + 2,5 | — 3,43 | —15,0 | +1 | +3 |
| 16 | +1,180 | + 7,4 | — 5,04 | —17,2 | +1 | +4 |
| 26 | +1,279 | +12,3 | — 6,86 | —19,1 | 0 | +4 |
| Dec. 6 | +1,426 | +17,0 | — 8,85 | —20,5 | 0 | +4 |
| 16 | +1,619 | +21,3 | —10,96 | —21,5 | —1 | +5 |
| 26 | +1,851 | +24,8 | —13,12 | —21,7 | —1 | +5 |
| 36 | +2,115 | +27,7 | —15,28 | —21,2 | —2 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 15 35 53,9914 | + 6 57 57,108 |
| 1831 | 35 56,9409 | 57 45,354 |
| 1832 | 35 59,8904 | 57 33,604 |
| 1833 | 36 2,8400 | 57 21,857 |
| 1834 | 36 5,7897 | 57 10,114 |
| 1835 | 36 8,7395 | 56 58,373 |
| 1836 | 36 11,6893 | 56 46,637 |
| 1837 | 36 14,6392 | 56 34,904 |
| 1838 | 36 17,5891 | 56 23,175 |
| 1839 | 36 20,5391 | 56 11,449 |
| 1840 | 36 23,4891 | 55 59,726 |
| 1841 | 36 26,4392 | 55 48,007 |
| 1842 | 36 29,3894 | 55 36,292 |
| 1843 | 36 32,3396 | 55 24,580 |
| 1844 | 36 35,2899 | 55 12,872 |
| 1845 | 36 38,2403 | 55 1,165 |
| 1846 | 36 41,1907 | 54 49,463 |
| 1847 | 36 44,1412 | 54 37,765 |
| 1848 | 36 47,0917 | 54 26,060 |
| 1849 | 36 50,0423 | 54 14,379 |
| 1850 | 36 52,9930 | 54 2,693 |

Diei reducto addendum est:

ante } Nov. 18 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Scorpii.*

| | | | |
|---|---|---|---|
| 1830 | Jan. 0 | 16h 18′ 59″,800 | — 26° 2′ 40″,76 |
| | Apr. 10 | 59,684 | 40,62 |
| | Jul. 19 | 59,570 | 40,56 |
| | Oct. 27 | 59,459 | 40,58 |
| | Dec. 66 | 59,350 | 40,67 |
| 1831 | Jan. 0 | 16 19 3,048 | — 26 2 49,23 |
| | Apr. 10 | 2,942 | 49,37 |
| | Jul. 19 | 2,841 | 49,59 |
| | Oct. 27 | 2,747 | 49,87 |
| | Dec. 66 | 2,658 | 50,23 |
| 1832 | Jan. 1 | 16 19 6,350 | — 26 2 58,69 |
| | Apr. 10 | 6,266 | 59,09 |
| | Jul. 19 | 6,191 | 59,55 |
| | Oct. 27 | 6,124 | 3 0,07 |
| | Dec. 66 | 6,066 | 0,65 |
| 1833 | Jan. 0 | 16 19 9,747 | — 26 3 9,04 |
| | Apr. 10 | 9,695 | 9,65 |
| | Jul. 19 | 9,653 | 10,30 |
| | Oct. 27 | 9,621 | 10,99 |
| | Dec. 66 | 9,600 | 11,71 |
| 1834 | Jan. 0 | 16 19 13,269 | — 26 3 20,05 |
| | Apr. 10 | 13,254 | 20,80 |
| | Jul. 19 | 13,250 | 21,56 |
| | Oct. 27 | 13,256 | 22,33 |
| | Dec. 66 | 13,273 | 23,12 |
| 1835 | Jan. 0 | 16 19 16,929 | — 26 3 31,44 |
| | Apr. 10 | 16,952 | 32,23 |
| | Jul. 19 | 16,985 | 33,01 |
| | Oct. 27 | 17,027 | 33,79 |
| | Dec. 66 | 17,079 | 34,55 |
| 1836 | Jan. 1 | 16 19 20,724 | — 26 3 42,87 |
| | Apr. 10 | 20,782 | 43,62 |
| | Jul. 19 | 20,847 | 44,35 |
| | Oct. 27 | 20,920 | 45,03 |
| | Dec. 66 | 21,001 | 45,69 |
| 1837 | Jan. 0 | 16 19 24,637 | — 26 3 54,05 |
| | Apr. 10 | 24,722 | 54,68 |
| | Jul. 19 | 24,813 | 55,26 |
| | Oct. 27 | 24,909 | 55,79 |
| | Dec. 66 | 25,010 | 56,27 |
| 1838 | Jan. 0 | 16 19 28,639 | — 26 4 4,68 |
| | Apr. 10 | 28,743 | 5,12 |
| | Jul. 19 | 28,849 | 5,50 |
| | Oct. 27 | 28,957 | 5,82 |
| | Dec. 66 | 29,068 | 6,07 |
| 1839 | Jan. 0 | 16 19 32,694 | — 26 4 14,55 |
| | Apr. 10 | 32,805 | 14,76 |
| | Jul. 19 | 32,915 | 14,90 |
| | Oct. 27 | 33,024 | 14,97 |
| | Dec. 66 | 33,133 | 14,97 |

| | | | |
|---|---|---|---|
| 1840 | Jan. 1 | 16h 19 36″,761 | — 26° 4′ 23″,54 |
| | Apr. 10 | 36,867 | 23,49 |
| | Jul. 19 | 36,970 | 23,37 |
| | Oct. 27 | 37,069 | 23,18 |
| | Dec. 66 | 37,164 | 22,93 |
| 1841 | Jan. 0 | 16 19 40,796 | — 26 4 31,57 |
| | Apr. 10 | 40,887 | 31,27 |
| | Jul. 19 | 40,971 | 30,91 |
| | Oct. 27 | 41,048 | 30,49 |
| | Dec. 66 | 41,119 | 30,01 |
| 1842 | Jan. 0 | 16 19 44,760 | — 26 4 38,72 |
| | Apr. 10 | 44,825 | 38,20 |
| | Jul. 19 | 44,881 | 37,63 |
| | Oct. 27 | 44,928 | 37,01 |
| | Dec. 66 | 44,966 | 36,34 |
| 1843 | Jan. 0 | 16 19 48,619 | — 26 4 45,11 |
| | Apr. 10 | 48,650 | 44,42 |
| | Jul. 19 | 48,672 | 43,70 |
| | Oct. 27 | 48,682 | 42,95 |
| | Dec. 66 | 48,683 | 42,17 |
| 1844 | Jan. 1 | 16 19 52,349 | — 26 4 50,97 |
| | Apr. 10 | 52,342 | 50,18 |
| | Jul. 19 | 52,325 | 49,39 |
| | Oct. 27 | 52,298 | 48,60 |
| | Dec. 66 | 52,260 | 47,80 |
| 1845 | Jan. 0 | 16 19 55,939 | — 26 4 56,59 |
| | Apr. 10 | 55,894 | 55,80 |
| | Jul. 19 | 55,840 | 55,03 |
| | Oct. 27 | 55,777 | 54,28 |
| | Dec. 66 | 55,704 | 53,55 |
| 1846 | Jan. 0 | 16 19 59,394 | — 26 5 2,31 |
| | Apr. 10 | 59,316 | 1,61 |
| | Jul. 19 | 59,231 | 0,95 |
| | Oct. 27 | 59,139 | 0,33 |
| | Dec. 66 | 59,039 | 4 59,76 |
| 1847 | Jan. 0 | 16 20 2,738 | — 26 5 8,47 |
| | Apr. 10 | 2,636 | 7,93 |
| | Jul. 19 | 2,529 | 7,46 |
| | Oct. 27 | 2,419 | 7,05 |
| | Dec. 66 | 2,304 | 6,71 |
| 1848 | Jan. 1 | 16 20 6,008 | — 26 5 15,33 |
| | Apr. 10 | 5,893 | 15,03 |
| | Jul. 19 | 5,777 | 14,81 |
| | Oct. 27 | 5,662 | 14,66 |
| | Dec. 66 | 5,546 | 14,58 |
| 1849 | Jan. 0 | 16 20 9,250 | — 26 5 23,11 |
| | Apr. 10 | 9,136 | 23,09 |
| | Jul. 19 | 9,026 | 23,14 |
| | Oct. 27 | 8,919 | 23,27 |
| | Dec. 66 | 8,816 | 23,47 |

## Tabulae X. Sect. V. *α Scorpii.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,201 | +27,5 | + 4,16 | — 4,6 | —3 | —1 |
| 10 | —0,910 | +30,4 | + 3,62 | — 6,1 | —3 | —1 |
| 20 | —0,594 | +32,4 | + 2,94 | — 7,4 | —3 | 0 |
| 30 | —0,262 | +33,6 | + 2,14 | — 8,4 | —4 | 0 |
| Febr. 9 | +0,077 | +34,0 | + 1,27 | — 8,9 | —4 | +1 |
| 19 | +0,418 | +33,8 | + 0,36 | — 9,1 | —4 | +1 |
| Mart. 1 | +0,752 | +32,9 | — 0,55 | — 9,0 | —3 | +2 |
| 11 | +1,076 | +31,7 | — 1,43 | — 8,6 | —3 | +2 |
| 21 | +1,385 | +30,0 | — 2,27 | — 8,1 | —3 | +3 |
| 31 | +1,676 | +28,2 | — 3,04 | — 7,4 | —2 | +3 |
| Apr. 10 | +1,948 | +26,0 | — 3,74 | — 6,7 | —2 | +3 |
| 20 | +2,196 | +23,6 | — 4,38 | — 6,1 | —1 | +4 |
| 30 | +2,420 | +21,1 | — 4,96 | — 5,6 | —1 | +4 |
| Maj. 10 | +2,617 | +18,2 | — 5,49 | — 5,1 | 0 | +4 |
| 20 | +2,784 | +15,2 | — 5,97 | — 4,7 | +1 | +4 |
| 30 | +2,920 | +11,9 | — 6,42 | — 4,3 | +1 | +4 |
| Jun. 9 | +3,021 | + 8,3 | — 6,82 | — 3,9 | +2 | +4 |
| 19 | +3,085 | + 4,5 | — 7,19 | — 3,5 | +2 | +4 |
| 29 | +3,111 | + 0,7 | — 7,51 | — 3,0 | +3 | +4 |
| Jul. 9 | +3,099 | — 3,1 | — 7,78 | — 2,4 | +4 | +4 |
| 19 | +3,049 | — 6,8 | — 7,98 | — 1,7 | +4 | +4 |
| 29 | +2,963 | —10,2 | — 8,11 | — 0,8 | +4 | +3 |
| Aug. 8 | +2,845 | —13,2 | — 8,14 | + 0,3 | +4 | +3 |
| 18 | +2,700 | —15,5 | — 8,06 | + 1,3 | +5 | +3 |
| 28 | +2,536 | —17,0 | — 7,88 | + 2,4 | +5 | +2 |
| Sept. 7 | +2,360 | —17,7 | — 7,59 | + 3,4 | +5 | +2 |
| 17 | +2,183 | —17,2 | — 7,20 | + 4,3 | +4 | +2 |
| 27 | +2,016 | —15,7 | — 6,73 | + 5,1 | +4 | +2 |
| Oct. 7 | +1,869 | —13,2 | — 6,19 | + 5,5 | +4 | +1 |
| 17 | +1,752 | — 9,7 | — 5,63 | + 5,6 | +3 | +1 |
| 27 | +1,675 | — 5,3 | — 5,08 | + 5,3 | +3 | +1 |
| Nov. 6 | +1,646 | — 0,3 | — 4,58 | + 4,5 | +2 | +1 |
| 16 | +1,669 | + 5,1 | — 4,18 | + 3,4 | +2 | +2 |
| 26 | +1,748 | +10,6 | — 3,91 | + 1,9 | +1 | +2 |
| Dec. 6 | +1,881 | +15,9 | — 3,80 | + 0,2 | 0 | +2 |
| 16 | +2,066 | +20,9 | — 3,88 | — 1,7 | 0 | +3 |
| 26 | +2,298 | +25,2 | — 4,13 | — 3,5 | —1 | +3 |
| 36 | +2,569 | +28,7 | — 4,57 | — 5,2 | —1 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 16 18 59,8272 | — 26 2 49,247 |
| 1831 | 19 3,4897 | 2 57,845 |
| 1832 | 19 7,1524 | 3 6,438 |
| 1833 | 19 10,8152 | 3 15,026 |
| 1834 | 19 14,4782 | 3 23,610 |
| 1835 | 19 18,1414 | 3 32,189 |
| 1836 | 19 21,8047 | 3 40,762 |
| 1837 | 19 25,4682 | 3 49,331 |
| 1838 | 19 29,1318 | 3 57,895 |
| 1839 | 19 32,7956 | 4 6,455 |
| 1840 | 19 36,4593 | 4 15,009 |
| 1841 | 19 40,1234 | 4 23,559 |
| 1842 | 19 43,7876 | 4 32,104 |
| 1843 | 19 47,4520 | 4 40,644 |
| 1844 | 19 51,1166 | 4 49,179 |
| 1845 | 19 54,7814 | 4 57,709 |
| 1846 | 19 58,4463 | 5 6,234 |
| 1847 | 20 2,1113 | 5 14,755 |
| 1848 | 20 5,7765 | 5 23,271 |
| 1849 | 20 9,4415 | 5 31,782 |
| 1850 | 20 13,1072 | 5 40,288 |

Diei reducto addendum est:

ante / post } Nov. 28 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Herculis.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 17 6 53,790 | +14 35 33,46 | 1840 | Jan. 1 | 17 7 21,594 | +14 34 30,31 |
| | Apr. 10 | 53,706 | 33,46 | | Apr. 10 | 21,669 | 30,49 |
| | Jul. 19 | 53,624 | 33,38 | | Jul. 19 | 21,740 | 30,73 |
| | Oct. 27 | 53,545 | 33,23 | | Oct. 27 | 21,807 | 31,05 |
| | Dec. 66 | 53,469 | 33,00 | | Dec. 66 | 21,871 | 31,43 |
| 1831 | Jan. 0 | 17 6 56,224 | +14 35 28,51 | 1841 | Jan. 0 | 17 7 24,581 | +14 34 26,76 |
| | Apr. 10 | 56,151 | 28,23 | | Apr. 10 | 24,642 | 27,19 |
| | Jul. 19 | 56,083 | 27,89 | | Jul. 19 | 24,696 | 27,67 |
| | Oct. 27 | 56,020 | 27,47 | | Oct. 27 | 24,745 | 28,21 |
| | Dec. 66 | 55,963 | 26,99 | | Dec. 66 | 24,787 | 28,81 |
| 1832 | Jan. 1 | 17 6 58,712 | +14 35 22,59 | 1842 | Jan. 0 | 17 7 27,504 | +14 34 24,07 |
| | Apr. 10 | 58,659 | 22,06 | | Apr. 10 | 27,543 | 24,70 |
| | Jul. 19 | 58,612 | 21,48 | | Jul. 19 | 27,574 | 25,37 |
| | Oct. 27 | 58,573 | 20,85 | | Oct. 27 | 27,598 | 26,08 |
| | Dec. 66 | 58,540 | 20,17 | | Dec. 66 | 27,615 | 26,83 |
| 1833 | Jan. 0 | 17 7 1,281 | +14 35 15,84 | 1843 | Jan. 0 | 17 7 30,341 | +14 34 22,05 |
| | Apr. 10 | 1,254 | 15,14 | | Apr. 10 | 30,353 | 22,82 |
| | Jul. 19 | 1,234 | 14,40 | | Jul. 19 | 30,357 | 23,61 |
| | Oct. 27 | 1,222 | 13,64 | | Oct. 27 | 30,353 | 24,41 |
| | Dec. 66 | 1,217 | 12,84 | | Dec. 66 | 30,342 | 25,23 |
| 1834 | Jan. 0 | 17 7 3,949 | +14 35 8,54 | 1844 | Jan. 1 | 17 7 33,078 | +14 34 20,43 |
| | Apr. 10 | 3,950 | 7,74 | | Apr. 10 | 33,062 | 21,25 |
| | Jul. 19 | 3,958 | 6,93 | | Jul. 19 | 33,038 | 22,07 |
| | Oct. 27 | 3,974 | 6,12 | | Oct. 27 | 33,006 | 22,88 |
| | Dec. 66 | 3,998 | 5,30 | | Dec. 66 | 32,967 | 23,68 |
| 1835 | Jan. 0 | 17 7 6,721 | +14 35 1,02 | 1845 | Jan. 0 | 17 7 35,712 | +14 34 18,89 |
| | Apr. 10 | 6,749 | 0,21 | | Apr. 10 | 35,668 | 19,68 |
| | Jul. 19 | 6,784 | 34 59,42 | | Jul. 19 | 35,618 | 20,43 |
| | Oct. 27 | 6,826 | 58,65 | | Oct. 27 | 35,562 | 21,15 |
| | Dec. 66 | 6,875 | 57,90 | | Dec. 66 | 35,499 | 21,83 |
| 1836 | Jan. 1 | 17 7 9,589 | +14 34 53,59 | 1846 | Jan. 0 | 17 7 38,252 | +14 34 17,09 |
| | Apr. 10 | 9,642 | 52,87 | | Apr. 10 | 38,185 | 17,74 |
| | Jul. 19 | 9,699 | 52,19 | | Jul. 19 | 38,115 | 18,34 |
| | Oct. 27 | 9,762 | 51,55 | | Oct. 27 | 38,040 | 18,88 |
| | Dec. 66 | 9,829 | 50,95 | | Dec. 66 | 37,961 | 19,36 |
| 1837 | Jan. 0 | 17 7 12,537 | +14 34 46,59 | 1847 | Jan. 0 | 17 7 40,719 | +14 34 14,70 |
| | Apr. 10 | 12,608 | 46,03 | | Apr. 10 | 40,637 | 15,14 |
| | Jul. 19 | 12,681 | 45,53 | | Jul. 19 | 40,554 | 15,51 |
| | Oct. 27 | 12,758 | 45,09 | | Oct. 27 | 40,469 | 15,81 |
| | Dec. 66 | 12,837 | 44,70 | | Dec. 66 | 40,383 | 16,03 |
| 1838 | Jan. 0 | 17 7 15,541 | +14 34 40,27 | 1848 | Jan. 1 | 17 7 43,144 | +14 34 11,46 |
| | Apr. 10 | 15,622 | 39,93 | | Apr. 10 | 43,058 | 11,63 |
| | Jul. 19 | 15,703 | 39,66 | | Jul. 19 | 42,972 | 11,73 |
| | Oct. 27 | 15,785 | 39,46 | | Oct. 27 | 42,888 | 11,75 |
| | Dec. 66 | 15,867 | 39,32 | | Dec. 66 | 42,804 | 11,69 |
| 1839 | Jan. 0 | 17 7 18,570 | +14 34 34,81 | 1849 | Jan. 0 | 17 7 45,563 | +14 34 7,22 |
| | Apr. 10 | 18,653 | 34,72 | | Apr. 10 | 45,482 | 7,11 |
| | Jul. 19 | 18,733 | 34,71 | | Jul. 19 | 45,404 | 6,92 |
| | Oct. 27 | 18,812 | 34,77 | | Oct. 27 | 45,331 | 6,66 |
| | Dec. 66 | 18,883 | 34,90 | | Dec. 66 | 45,261 | 6,32 |

## Tabulae X. Sect. V. *α Herculis.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,266 | +19,1 | − 2,78 | −23,5 | −1 | +1 |
| 10 | −1,057 | +22,5 | − 5,11 | −22,6 | −1 | +1 |
| 20 | −0,816 | +25,3 | − 7,30 | −20,9 | −2 | +1 |
| 30 | −0,551 | +27,3 | − 9,29 | −18,5 | −2 | +1 |
| Febr. 9 | −0,270 | +28,7 | −10,99 | −15,3 | −2 | +1 |
| 19 | +0,022 | +29,4 | −12,35 | −11,6 | −3 | +1 |
| Mart. 1 | +0,317 | +29,5 | −13,30 | − 7,4 | −3 | +1 |
| 11 | +0,612 | +29,2 | −13,32 | − 3,0 | −3 | +1 |
| 21 | +0,900 | +28,3 | −13,90 | + 1,4 | −2 | +1 |
| 31 | +1,177 | +27,1 | −13,55 | + 5,6 | −2 | +1 |
| Apr. 10 | +1,441 | +25,6 | −12,79 | + 9,4 | −2 | +1 |
| 20 | +1,688 | +23,7 | −11,68 | +12,7 | −2 | +1 |
| 30 | +1,914 | +21,4 | −10,26 | +15,4 | −1 | +1 |
| Maj. 10 | +2,116 | +18,9 | − 8,60 | +17,5 | −1 | 0 |
| 20 | +2,291 | +16,1 | − 6,76 | +18,9 | −1 | +1 |
| 30 | +2,437 | +13,0 | − 4,83 | +19,5 | 0 | +1 |
| Jun. 9 | +2,550 | + 9,6 | − 2,86 | +19,6 | 0 | +1 |
| 19 | +2,629 | + 6,0 | − 0,92 | +19,1 | +1 | +1 |
| 29 | +2,670 | + 2,3 | + 0,95 | +18,0 | +1 | +1 |
| Jul. 9 | +2,674 | − 1,5 | + 2,68 | +16,5 | +1 | +1 |
| 19 | +2,640 | − 5,2 | + 4,24 | +14,6 | +2 | +1 |
| 29 | +2,570 | − 8,7 | + 5,60 | +12,4 | +2 | +1 |
| Aug. 8 | +2,466 | −11,9 | + 6,72 | +10,1 | +2 | +1 |
| 18 | +2,332 | −14,6 | + 7,61 | + 7,5 | +2 | +2 |
| 28 | +2,174 | −16,6 | + 8,22 | + 4,8 | +3 | +2 |
| Sept. 7 | +2,000 | −17,9 | + 8,56 | + 2,0 | +3 | +2 |
| 17 | +1,817 | −18,3 | + 8,62 | − 0,9 | +3 | +2 |
| 27 | +1,635 | −17,8 | + 8,38 | − 3,9 | +3 | +2 |
| Oct. 7 | +1,462 | −16,3 | + 7,85 | − 6,8 | +3 | +3 |
| 17 | +1,310 | −13,8 | + 7,02 | − 9,8 | +2 | +3 |
| 27 | +1,186 | −10,6 | + 5,89 | −12,7 | +2 | +3 |
| Nov. 6 | +1,098 | − 6,1 | + 4,49 | −15,4 | +2 | +4 |
| 16 | +1,054 | − 1,6 | + 2,81 | −18,0 | +1 | +4 |
| 26 | +1,057 | + 2,7 | + 0,89 | −20,2 | +1 | +4 |
| Dec. 6 | +1,108 | + 7,6 | − 1,22 | −21,9 | +1 | +4 |
| 16 | +1,208 | +12,3 | − 3,49 | −23,1 | 0 | +4 |
| 26 | +1,353 | +16,6 | − 5,84 | −23,6 | 0 | +5 |
| 36 | +1,540 | +20,5 | − 8,20 | −23,3 | −1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 17 6 53,9396 | +14 35 24,509 |
| 1831 | 6 56,6704 | 35 19,936 |
| 1832 | 6 59,4013 | 35 15,367 |
| 1833 | 7 2,1322 | 35 10,802 |
| 1834 | 7 4,8631 | 35 6,241 |
| 1835 | 7 7,5941 | 35 1,684 |
| 1836 | 7 10,3251 | 34 57,131 |
| 1837 | 7 13,0562 | 34 52,582 |
| 1838 | 7 15,7873 | 34 48,036 |
| 1839 | 7 18,5184 | 34 43,494 |
| 1840 | 7 21,2495 | 34 38,955 |
| 1841 | 7 23,9807 | 34 34,421 |
| 1842 | 7 26,7119 | 34 29,891 |
| 1843 | 7 29,4432 | 34 25,364 |
| 1844 | 7 32,1745 | 34 20,842 |
| 1845 | 7 34,9058 | 34 16,323 |
| 1846 | 7 37,6372 | 34 11,808 |
| 1847 | 7 40,3686 | 34 7,297 |
| 1848 | 7 43,1001 | 34 2,790 |
| 1849 | 7 45,8316 | 33 58,287 |
| 1850 | 7 48,5631 | 33 53,788 |

Diei reducto addendum est:

ante } Dec. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Ophiuchi.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 17h 27′ 2″,569 | +12° 41′ 33″,64 | 1840 | Jan. 1 | 17h 27′ 30″,812 | +12° 40′ 45″,39 |
| | Apr. 10 | 2,483 | 33,58 | | Apr. 10 | 30,889 | 45,62 |
| | Jul. 19 | 2,399 | 33,45 | | Jul. 19 | 30,962 | 45,92 |
| | Oct. 27 | 2,319 | 33,24 | | Oct. 27 | 31,031 | 46,28 |
| | Dec. 66 | 2,241 | 32,95 | | Dec. 66 | 31,096 | 46,71 |
| 1831 | Jan. 0 | 17 27 5,044 | +12 41 29,98 | 1841 | Jan. 0 | 17 27 33,852 | +12 40 43,52 |
| | Apr. 10 | 4,969 | 29,65 | | Apr. 10 | 33,915 | 43,99 |
| | Jul. 19 | 4,899 | 29,25 | | Jul. 19 | 33,971 | 44,52 |
| | Oct. 27 | 4,834 | 28,78 | | Oct. 27 | 34,022 | 44,10 |
| | Dec. 66 | 4,774 | 28,25 | | Dec. 66 | 34,066 | 45,74 |
| 1832 | Jan. 1 | 17 27 7,571 | +12 41 25,36 | 1842 | Jan. 0 | 17 27 36,829 | +12 40 42,49 |
| | Apr. 10 | 7,516 | 24,79 | | Apr. 10 | 36,869 | 43,16 |
| | Jul. 19 | 7,467 | 24,17 | | Jul. 19 | 36,902 | 43,86 |
| | Oct. 27 | 7,426 | 23,50 | | Oct. 27 | 36,928 | 44,60 |
| | Dec. 66 | 7,391 | 22,78 | | Dec. 66 | 36,947 | 45,37 |
| 1833 | Jan. 0 | 17 27 10,179 | +12 41 19,95 | 1843 | Jan. 0 | 17 27 39,719 | +12 40 42,08 |
| | Apr. 10 | 10,150 | 19,21 | | Apr. 10 | 39,732 | 42,87 |
| | Jul. 19 | 10,128 | 18,45 | | Jul. 19 | 39,738 | 43,67 |
| | Oct. 27 | 10,114 | 17,66 | | Oct. 27 | 39,736 | 44,49 |
| | Dec. 66 | 10,108 | 16,85 | | Dec. 66 | 39,726 | 45,32 |
| 1834 | Jan. 0 | 17 27 12,887 | +12 41 14,05 | 1844 | Jan. 1 | 17 27 42,508 | +12 40 42,01 |
| | Apr. 10 | 12,887 | 13,23 | | Apr. 10 | 42,493 | 42,84 |
| | Jul. 19 | 12,894 | 12,41 | | Jul. 19 | 42,470 | 43,65 |
| | Oct. 27 | 12,909 | 11,59 | | Oct. 27 | 42,439 | 44,45 |
| | Dec. 66 | 12,931 | 10,78 | | Dec. 66 | 42,401 | 45,24 |
| 1835 | Jan. 0 | 17 27 15,700 | +12 41 7,98 | 1845 | Jan. 0 | 17 27 45,193 | +12 40 41,96 |
| | Apr. 10 | 15,728 | 7,17 | | Apr. 10 | 45,150 | 42,73 |
| | Jul. 19 | 15,762 | 6,39 | | Jul. 19 | 45,100 | 43,46 |
| | Oct. 27 | 15,804 | 5,64 | | Oct. 27 | 45,044 | 44,15 |
| | Dec. 66 | 15,851 | 4,91 | | Dec. 66 | 44,982 | 44,80 |
| 1836 | Jan. 1 | 17 27 18,612 | +12 41 2,09 | 1846 | Jan. 0 | 17 27 47,781 | +12 40 41,57 |
| | Apr. 10 | 18,665 | 1,39 | | Apr. 10 | 47,715 | 42,19 |
| | Jul. 19 | 18,722 | 0,73 | | Jul. 19 | 47,644 | 42,75 |
| | Oct. 27 | 18,785 | 0,12 | | Oct. 27 | 47,569 | 42,25 |
| | Dec. 66 | 18,852 | 40 59,55 | | Dec. 66 | 47,489 | 43,69 |
| 1837 | Jan. 0 | 17 27 21,606 | +12 40 56,67 | 1847 | Jan. 0 | 17 27 50,294 | +12 40 40,53 |
| | Apr. 10 | 21,676 | 56,14 | | Apr. 10 | 50,212 | 40,93 |
| | Jul. 19 | 21,750 | 55,68 | | Jul. 19 | 50,128 | 41,25 |
| | Oct. 27 | 21,827 | 55,28 | | Oct. 27 | 50,042 | 41,50 |
| | Dec. 66 | 21,907 | 54,94 | | Dec. 66 | 49,955 | 41,67 |
| 1838 | Jan. 0 | 17 27 24,657 | +12 40 51,99 | 1848 | Jan. 1 | 17 27 52,762 | +12 40 38,61 |
| | Apr. 10 | 24,739 | 51,69 | | Apr. 10 | 52,674 | 38,73 |
| | Jul. 19 | 24,821 | 51,47 | | Jul. 19 | 52,587 | 38,77 |
| | Oct. 27 | 24,904 | 51,32 | | Oct. 27 | 52,501 | 38,73 |
| | Dec. 66 | 24,987 | 51,24 | | Dec. 66 | 52,417 | 38,62 |
| 1839 | Jan. 0 | 17 27 27,737 | +12 40 48,21 | 1849 | Jan. 0 | 17 27 55,223 | +12 40 35,66 |
| | Apr. 10 | 27,820 | 48,17 | | Apr. 10 | 55,140 | 35,49 |
| | Jul. 19 | 27,902 | 48,21 | | Jul. 19 | 55,060 | 35,25 |
| | Oct. 27 | 27,982 | 48,32 | | Oct. 27 | 54,984 | 34,93 |
| | Dec. 66 | 28,061 | 48,50 | | Dec. 66 | 54,912 | 44,54 |

## Tabulae X. Sect. V. α *Ophiuchi.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,295 | +17,3 | − 2,16 | −22,3 | −1 | +1 | 1830 | 17 27 2,7039 | +12 41 24,615 |
| 10 | −1,103 | +20,9 | − 4,38 | −21,7 | −1 | +1 | 1831 | 27 5,4812 | 41 21,533 |
| 20 | −0,878 | +23,8 | − 6,49 | −20,2 | −2 | +1 | 1832 | 27 8,2585 | 41 18,455 |
| 30 | −0,628 | +26,1 | − 8,42 | −18,1 | −2 | +1 | 1833 | 27 11,0359 | 41 15,381 |
| Febr. 9 | −0,357 | +27,7 | −10,11 | −15,2 | −2 | +1 | 1834 | 27 13,8133 | 41 12,311 |
| | | | | | | | 1835 | 27 16,5908 | 41 9,243 |
| 19 | −0,075 | +28,7 | −11,46 | −11,6 | −2 | +1 | 1836 | 27 19,3683 | 41 6,181 |
| Mart. 1 | +0,216 | +29,2 | −12,43 | − 7,7 | −3 | +1 | 1837 | 27 22,1458 | 41 3,123 |
| 11 | +0,503 | +29,1 | −13,00 | − 3,5 | −3 | +1 | 1838 | 27 24,9233 | 41 0,069 |
| 21 | +0,797 | +28,6 | −13,13 | + 0,7 | −2 | +1 | 1839 | 27 27,7009 | 40 57,019 |
| 31 | +1,080 | +27,7 | −12,86 | + 4,8 | −2 | +1 | 1840 | 27 30,4784 | 40 53,971 |
| | | | | | | | 1841 | 27 33,2560 | 40 50,929 |
| Apr. 10 | +1,351 | +26,5 | −12,18 | + 8,6 | −2 | +1 | 1842 | 27 36,0337 | 40 47,891 |
| 20 | +1,609 | +24,9 | −11,15 | +11,9 | −2 | +1 | 1843 | 27 38,8114 | 40 44,857 |
| 30 | +1,849 | +22,9 | − 9,81 | +14,7 | −2 | +1 | 1844 | 27 41,5892 | 40 41,827 |
| Maj. 10 | +2,067 | +20,6 | − 8,22 | +16,8 | −1 | +1 | 1845 | 27 44,3670 | 40 38,799 |
| 20 | +2,261 | +18,0 | − 6,45 | +18,3 | −1 | +1 | 1846 | 27 47,1448 | 40 35,776 |
| | | | | | | | 1847 | 27 49,9227 | 40 32,758 |
| 30 | +2,426 | +14,9 | − 4,57 | +19,1 | 0 | +1 | 1848 | 27 52,7006 | 40 29,743 |
| Jun. 9 | +2,559 | +11,6 | − 2,64 | +19,2 | 0 | +1 | 1849 | 27 55,4785 | 40 26,733 |
| 19 | +2,658 | + 8,0 | − 0,73 | +18,8 | 0 | +1 | 1850 | 27 58,2564 | 40 23,726 |
| 29 | +2,719 | + 4,2 | + 1,12 | +17,9 | +1 | +1 | | | |
| Jul. 9 | +2,742 | + 0,4 | + 2,84 | +16,5 | +1 | +1 | | | |
| 19 | +2,726 | − 3,5 | + 4,42 | +14,8 | +2 | +1 | | | |
| 29 | +2,672 | − 7,2 | + 5,80 | +12,8 | +2 | +2 | | | |
| Aug. 8 | +2,582 | −10,6 | + 6,97 | +10,5 | +2 | +2 | | | |
| 18 | +2,460 | −13,6 | + 7,90 | + 8,1 | +2 | +2 | | | |
| 28 | +2,311 | −15,9 | + 8,59 | + 5,6 | +3 | +2 | | | |
| Sept. 7 | +2,142 | −17,5 | + 9,01 | + 2,9 | +3 | +2 | | | |
| 17 | +1,961 | −18,2 | + 9,17 | + 0,2 | +3 | +3 | | | |
| 27 | +1,778 | −18,0 | + 9,04 | − 2,7 | +3 | +3 | | | |
| Oct. 7 | +1,602 | −16,8 | + 8,64 | − 5,5 | +3 | +3 | | | |
| 17 | +1,443 | −14,6 | + 7,95 | − 8,3 | +2 | +3 | | | |
| 27 | +1,310 | −11,7 | + 6,98 | −11,1 | +2 | +4 | | | |
| Nov. 6 | +1,210 | − 7,9 | + 5,73 | −13,8 | +2 | +4 | | | |
| 16 | +1,152 | − 2,2 | + 4,22 | −16,3 | +2 | +4 | | | |
| 26 | +1,138 | + 1,0 | + 2,47 | −18,5 | +1 | +4 | | | |
| Dec. 6 | +1,172 | + 5,8 | + 0,52 | −20,4 | +1 | +5 | | | |
| 16 | +1,254 | +10,5 | − 1,60 | −21,7 | 0 | +5 | | | |
| 26 | +1,382 | +14,8 | − 3,81 | −22,2 | 0 | +5 | | | |
| 36 | +1,550 | +18,7 | − 6,04 | −22,2 | −1 | +5 | | | |

Diei reducto addendum est:

ante } Dec. 14 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Lyrae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 18 31 10,961 | +38 37 56,33 | 1840 | Jan. 1 | 18 31 31,451 | +38 38 9,63 |
| | Apr. 10 | 10,897 | 56,11 | | Apr. 10 | 31,510 | 10,02 |
| | Jul. 19 | 10,835 | 55,81 | | Jul. 19 | 31,566 | 10,47 |
| | Oct. 27 | 10,774 | 55,44 | | Oct. 27 | 31,620 | 10,97 |
| | Dec. 66 | 10,715 | 54,99 | | Dec. 66 | 31,672 | 11,54 |
| 1831 | Jan. 0 | 18 31 12,764 | +38 37 58,14 | 1841 | Jan. 0 | 18 31 33,685 | +38 38 14,36 |
| | Apr. 10 | 12,706 | 57,65 | | Apr. 10 | 33,735 | 14,96 |
| | Jul. 19 | 12,651 | 57,11 | | Jul. 19 | 33,781 | 15,61 |
| | Oct. 27 | 12,599 | 56,51 | | Oct. 27 | 33,824 | 16,30 |
| | Dec. 66 | 12,550 | 55,85 | | Dec. 66 | 33,863 | 17,03 |
| 1832 | Jan. 1 | 18 31 14,596 | +38 37 59,07 | 1842 | Jan. 0 | 18 31 35,879 | +38 38 19,80 |
| | Apr. 10 | 14,550 | 58,39 | | Apr. 10 | 35,915 | 20,56 |
| | Jul. 19 | 14,509 | 57,67 | | Jul. 19 | 35,946 | 21,33 |
| | Oct. 27 | 14,473 | 56,91 | | Oct. 27 | 35,972 | 22,13 |
| | Dec. 66 | 14,441 | 56,12 | | Dec. 66 | 35,992 | 22,94 |
| 1833 | Jan. 0 | 18 31 16,481 | +38 37 59,39 | 1843 | Jan. 0 | 18 31 38,016 | +38 38 25,69 |
| | Apr. 10 | 16,453 | 58,59 | | Apr. 10 | 38,033 | 26,52 |
| | Jul. 19 | 16,430 | 57,78 | | Jul. 19 | 38,044 | 27,34 |
| | Oct. 27 | 16,413 | 57,95 | | Oct. 27 | 38,050 | 28,15 |
| | Dec. 66 | 16,402 | 56,12 | | Dec. 66 | 38,050 | 28,96 |
| 1834 | Jan. 0 | 18 31 18,435 | +38 37 59,40 | 1844 | Jan. 1 | 18 31 40,081 | +38 38 31,72 |
| | Apr. 10 | 18,427 | 58,58 | | Apr. 10 | 40,077 | 32,52 |
| | Jul. 19 | 18,425 | 57,77 | | Jul. 19 | 40,067 | 33,30 |
| | Oct. 27 | 18,429 | 56,98 | | Oct. 27 | 40,052 | 34,04 |
| | Dec. 66 | 18,438 | 56,20 | | Dec. 66 | 40,031 | 34,76 |
| 1835 | Jan. 0 | 18 31 20,464 | +38 37 59,46 | 1845 | Jan. 0 | 18 31 42,069 | +38 38 37,56 |
| | Apr. 10 | 20,478 | 58,71 | | Apr. 10 | 42,044 | 38,25 |
| | Jul. 19 | 20,496 | 57,99 | | Jul. 19 | 42,014 | 38,88 |
| | Oct. 27 | 20,520 | 57,31 | | Oct. 27 | 41,979 | 39,46 |
| | Dec. 66 | 20,549 | 56,68 | | Dec. 66 | 41,939 | 39,99 |
| 1836 | Jan. 1 | 18 31 22,568 | +38 37 59,89 | 1846 | Jan. 0 | 18 31 43,983 | +38 38 42,86 |
| | Apr. 10 | 22,601 | 59,29 | | Apr. 10 | 43,940 | 43,35 |
| | Jul. 19 | 22,637 | 58,75 | | Jul. 19 | 43,893 | 43,77 |
| | Oct. 27 | 22,678 | 58,26 | | Oct. 27 | 43,842 | 44,12 |
| | Dec. 66 | 22,722 | 57,83 | | Dec. 66 | 43,787 | 44,40 |
| 1837 | Jan. 0 | 18 31 24,737 | +38 38 0,97 | 1847 | Jan. 0 | 18 31 45,836 | +38 38 47,35 |
| | Apr. 10 | 24,784 | 0,59 | | Apr. 10 | 45,780 | 47,58 |
| | Jul. 19 | 24,834 | 0,27 | | Jul. 19 | 45,721 | 47,74 |
| | Oct. 27 | 24,887 | 0,02 | | Oct. 27 | 45,660 | 47,82 |
| | Dec. 66 | 24,943 | 37 59,83 | | Dec. 66 | 45,597 | 47,82 |
| 1838 | Jan. 0 | 18 31 26,955 | +38 38 2,90 | 1848 | Jan. 1 | 18 31 47,649 | +38 38 50,87 |
| | Apr. 10 | 27,012 | 2,77 | | Apr. 10 | 47,586 | 50,81 |
| | Jul. 19 | 27,070 | 2,71 | | Jul. 19 | 47,522 | 50,68 |
| | Oct. 27 | 27,129 | 2,72 | | Oct. 27 | 47,459 | 50,47 |
| | Dec. 66 | 27,190 | 2,80 | | Dec. 66 | 47,395 | 50,19 |
| 1839 | Jan. 0 | 18 31 29,200 | +38 38 5,78 | 1849 | Jan. 0 | 18 31 49,446 | +38 38 53,33 |
| | Apr. 10 | 29,261 | 5,92 | | Apr. 10 | 49,383 | 53,00 |
| | Jul. 19 | 29,322 | 6,12 | | Jul. 19 | 49,323 | 52,60 |
| | Oct. 27 | 29,381 | 6,40 | | Oct. 27 | 49,265 | 52,13 |
| | Dec. 66 | 29,440 | 6,74 | | Dec. 66 | 49,209 | 51,59 |

## Tabulae X. Sect. V. *α Lyrae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,702 | + 8,7 | — 0,81 | —31,2 | 0 | +2 |
| 10 | —1,589 | +13,7 | — 3,93 | —30,8 | —1 | +2 |
| 20 | —1,428 | +18,3 | — 6,97 | —29,4 | —1 | +2 |
| 30 | —1,224 | +22,3 | — 9,81 | —26,9 | —1 | +2 |
| Febr. 9 | —0,982 | +25,8 | —12,34 | —23,3 | —2 | +2 |
| 19 | —0,709 | +28,6 | —14,47 | —18,9 | —2 | +2 |
| Mart. 1 | —0,410 | +30,8 | —16,12 | —13,7 | —2 | +1 |
| 11 | —0,093 | +32,3 | —17,21 | — 8,0 | —2 | +1 |
| 21 | +0,236 | +33,2 | —17,72 | — 2,1 | —2 | +1 |
| 31 | +0,571 | +33,4 | —17,63 | + 3,8 | —2 | 0 |
| Apr. 10 | +0,903 | +32,8 | —16,96 | + 9,5 | —2 | 0 |
| 20 | +1,227 | +31,7 | —15,73 | +14,9 | —2 | 0 |
| 30 | +1,536 | +29,9 | —14,00 | +19,5 | —2 | 0 |
| Maj. 10 | +1,824 | +27,4 | —11,83 | +23,4 | —2 | 0 |
| 20 | +2,084 | +24,4 | — 9,32 | +26,5 | —1 | 0 |
| 30 | +2,311 | +20,8 | — 6,54 | +28,7 | —1 | 0 |
| Jun. 9 | +2,499 | +16,6 | — 3,58 | +30,1 | 0 | 0 |
| 19 | +2,643 | +12,1 | — 0,53 | +30,5 | 0 | 0 |
| 29 | +2,741 | + 7,4 | + 2,52 | +30,1 | 0 | 0 |
| Jul. 9 | +2,790 | + 2,3 | + 5,49 | +29,0 | +1 | 0 |
| 19 | +2,787 | — 2,8 | + 8,32 | +27,2 | +1 | 0 |
| 29 | +2,735 | — 7,6 | +10,93 | +24,8 | +1 | 0 |
| Aug. 8 | +2,635 | —12,2 | +13,27 | +21,9 | +2 | +1 |
| 18 | +2,491 | —16,4 | +15,30 | +18,5 | +2 | +1 |
| 28 | +2,307 | —20,0 | +16,96 | +14,7 | +2 | +1 |
| Sept. 7 | +2,092 | —22,8 | +18,24 | +10,7 | +2 | +1 |
| 17 | +1,852 | —24,7 | +19,09 | + 6,4 | +2 | +2 |
| 27 | +1,599 | —25,5 | +19,51 | + 2,0 | +2 | +2 |
| Oct. 7 | +1,342 | —25,4 | +19,48 | — 2,7 | +2 | +3 |
| 17 | +1,092 | —24,2 | +18,98 | — 7,3 | +2 | +3 |
| 27 | +0,859 | —22,0 | +18,02 | —11,8 | +2 | +3 |
| Nov. 6 | +0,653 | —18,8 | +16,62 | —16,2 | +2 | +4 |
| 16 | +0,484 | —14,8 | +14,79 | —20,3 | +2 | +4 |
| 26 | +0,358 | —10,2 | +12,57 | —23,9 | +1 | +4 |
| Dec. 6 | +0,281 | — 5,2 | +10,01 | —27,0 | +1 | +5 |
| 16 | +0,255 | + 0,2 | + 7,17 | —29,3 | +1 | +5 |
| 26 | +0,284 | + 5,5 | + 4,15 | —30,7 | 0 | +5 |
| 36 | +0,365 | +10,6 | + 1,03 | —31,2 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | ′ ″ | ° ′ ″ |
| 1830 | 18 31 10,9810 | +38 37 47,534 |
| 1831 | 31 13,0110 | 37 50,526 |
| 1832 | 31 15,0411 | 37 53,521 |
| 1833 | 31 17,0712 | 37 56,519 |
| 1834 | 31 19,1013 | 37 59,521 |
| 1835 | 31 21,1314 | 38 2,525 |
| 1836 | 31 23,1615 | 38 5,532 |
| 1837 | 31 25,1916 | 38 8,541 |
| 1838 | 31 27,2218 | 38 11,554 |
| 1839 | 31 29,2520 | 38 14,569 |
| 1840 | 31 31,2821 | 38 17,588 |
| 1841 | 31 33,3123 | 38 20,610 |
| 1842 | 31 35,3425 | 38 23,634 |
| 1843 | 31 37,3727 | 38 26,662 |
| 1844 | 31 39,4029 | 38 29,692 |
| 1845 | 31 41,4332 | 38 32,725 |
| 1846 | 31 43,4635 | 38 35,761 |
| 1847 | 31 45,4938 | 38 38,800 |
| 1848 | 31 47,5241 | 38 41,842 |
| 1849 | 31 49,5544 | 38 44,886 |
| 1850 | 31 51,5847 | 38 47,934 |

Diei reducto addendum est:

ante } Dec. 28 { +1
post } { +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. γ *Aquilae.*

| | | | |
|---|---|---|---|
| 1830 | Jan. 0 | 19h 38′ 10″,572 | +10° 12′ 24″,86 |
| | Apr. 10 | 10,481 | 24,47 |
| | Jul. 19 | 10,394 | 24,02 |
| | Oct. 27 | 10,309 | 23,51 |
| | Dec. 66 | 10,227 | 22,93 |
| 1831 | Jan. 0 | 19 38 13,109 | +10 12 31,46 |
| | Apr. 10 | 13,029 | 30,85 |
| | Jul. 19 | 12,953 | 30,20 |
| | Oct. 27 | 12,883 | 29,51 |
| | Dec. 66 | 12,817 | 28,78 |
| 1832 | Jan. 1 | 19 38 15,693 | +10 12 37,36 |
| | Apr. 10 | 15,632 | 36,61 |
| | Jul. 19 | 15,577 | 35,84 |
| | Oct. 27 | 15,529 | 35,06 |
| | Dec. 66 | 15,488 | 34,26 |
| 1833 | Jan. 0 | 19 38 18,356 | +10 12 42,86 |
| | Apr. 10 | 18,320 | 42,06 |
| | Jul. 19 | 18,292 | 41,27 |
| | Oct. 27 | 18,272 | 40,49 |
| | Dec. 66 | 18,260 | 39,71 |
| 1834 | Jan. 0 | 19 38 21,118 | +10 12 48,30 |
| | Apr. 10 | 21,112 | 47,53 |
| | Jul. 19 | 21,113 | 46,80 |
| | Oct. 27 | 21,123 | 46,10 |
| | Dec. 66 | 21,140 | 45,44 |
| 1835 | Jan. 0 | 19 38 23,988 | +10 12 54,00 |
| | Apr. 10 | 24,011 | 53,36 |
| | Jul. 19 | 24,041 | 52,77 |
| | Oct. 27 | 24,078 | 52,23 |
| | Dec. 66 | 24,122 | 51,75 |
| 1836 | Jan. 1 | 19 38 26,962 | +10 13 9,25 |
| | Apr. 10 | 27,011 | 12 59,80 |
| | Jul. 19 | 27,065 | 59,42 |
| | Oct. 27 | 27,125 | 59,10 |
| | Dec. 66 | 27,191 | 58,84 |
| 1837 | Jan. 0 | 19 38 30,023 | +10 13 7,27 |
| | Apr. 10 | 30,093 | 7,06 |
| | Jul. 19 | 30,166 | 6,92 |
| | Oct. 27 | 30,243 | 6,85 |
| | Dec. 66 | 30,323 | 6,85 |
| 1838 | Jan. 0 | 19 38 33,150 | +10 13 15,20 |
| | Apr. 10 | 33,236 | 15,25 |
| | Jul. 19 | 33,316 | 15,36 |
| | Oct. 27 | 33,401 | 15,55 |
| | Dec. 66 | 33,486 | 15,80 |
| 1839 | Jan. 0 | 19 38 36,312 | +10 13 24,06 |
| | Apr. 10 | 36,398 | 24,36 |
| | Jul. 19 | 36,483 | 24,72 |
| | Oct. 27 | 36,567 | 25,14 |
| | Dec. 66 | 36,650 | 25,62 |
| 1840 | Jan. 1 | 19h 38′ 39″,477 | +10° 13′ 33″,81 |
| | Apr. 10 | 39,558 | 34,33 |
| | Jul. 19 | 39,636 | 34,90 |
| | Oct. 27 | 39,710 | 35,51 |
| | Dec. 66 | 39,781 | 36,17 |
| 1841 | Jan. 0 | 19 38 42,613 | +10 13 44,31 |
| | Apr. 10 | 42,680 | 44,99 |
| | Jul. 19 | 42,742 | 45,70 |
| | Oct. 27 | 42,799 | 46,44 |
| | Dec. 66 | 42,850 | 47,21 |
| 1842 | Jan. 0 | 19 38 45,688 | +10 13 55,32 |
| | Apr. 10 | 45,735 | 56,10 |
| | Jul. 19 | 45,774 | 56,88 |
| | Oct. 27 | 45,806 | 57,67 |
| | Dec. 66 | 45,831 | 58,46 |
| 1843 | Jan. 0 | 19 38 48,678 | +10 14 6,57 |
| | Apr. 10 | 48,698 | 7,35 |
| | Jul. 19 | 48,710 | 8,12 |
| | Oct. 27 | 48,714 | 8,87 |
| | Dec. 66 | 48,709 | 9,60 |
| 1844 | Jan. 1 | 19 38 51,567 | +10 14 17,74 |
| | Apr. 10 | 51,557 | 18,44 |
| | Jul. 19 | 51,539 | 19,10 |
| | Oct. 27 | 51,513 | 19,72 |
| | Dec. 66 | 51,479 | 20,30 |
| 1845 | Jan. 0 | 19 38 54,346 | +10 14 28,49 |
| | Apr. 10 | 54,307 | 29,03 |
| | Jul. 19 | 54,261 | 29,51 |
| | Oct. 27 | 54,208 | 29,93 |
| | Dec. 66 | 54,148 | 30,29 |
| 1846 | Jan. 0 | 19 38 57,024 | +10 14 38,56 |
| | Apr. 10 | 56,959 | 38,87 |
| | Jul. 19 | 56,890 | 39,11 |
| | Oct. 27 | 56,816 | 39,28 |
| | Dec. 66 | 56,737 | 39,37 |
| 1847 | Jan. 0 | 19 38 59,618 | +10 14 47,73 |
| | Apr. 10 | 59,536 | 47,77 |
| | Jul. 19 | 59,452 | 47,74 |
| | Oct. 27 | 59,365 | 47,63 |
| | Dec. 66 | 59,275 | 47,45 |
| 1848 | Jan. 1 | 19 39 2,160 | +10 14 55,91 |
| | Apr. 10 | 2,070 | 55,67 |
| | Jul. 19 | 1,980 | 55,37 |
| | Oct. 27 | 1,891 | 55,00 |
| | Dec. 66 | 1,803 | 54,56 |
| 1849 | Jan. 0 | 19 39 4,687 | +10 15 3,10 |
| | Apr. 10 | 4,600 | 2,62 |
| | Jul. 19 | 4,516 | 2,08 |
| | Oct. 27 | 4,435 | 1,49 |
| | Dec. 66 | 4,358 | 0,85 |

## Tabulae X. Sect. V. γ *Aquilae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,290 | + 5,1 | + 0,14 | −17,1 | +1 | +1 |
| 10 | −1,222 | + 8,6 | − 1,59 | −17,3 | 0 | +1 |
| 20 | −1,118 | +12,1 | − 3,32 | −16,9 | 0 | +1 |
| 30 | −0,980 | +15,3 | − 4,97 | −15,8 | −1 | +1 |
| Febr. 9 | −0,812 | +18,2 | − 6,47 | −13,9 | −1 | +1 |
| 19 | −0,616 | +20,9 | − 7,74 | −11,3 | −2 | +1 |
| Mart. 1 | −0,395 | +23,2 | − 8,72 | − 8,2 | −2 | +1 |
| 11 | −0,153 | +25,1 | − 9,37 | − 4,7 | −2 | +1 |
| 21 | +0,107 | +26,7 | − 9,65 | − 0,9 | −2 | +1 |
| 31 | +0,381 | +28,0 | − 9,54 | + 3,1 | −3 | 0 |
| Apr. 10 | +0,667 | +28,9 | − 9,04 | + 6,9 | −3 | 0 |
| 20 | +0,959 | +29,3 | − 8,16 | +10,5 | −3 | 0 |
| 30 | +1,252 | +29,2 | − 6,95 | +13,6 | −3 | 0 |
| Maj. 10 | +1,542 | +28,6 | − 5,44 | +16,4 | −2 | 0 |
| 20 | +1,823 | +27,3 | − 3,68 | +18,5 | −2 | 0 |
| 30 | +2,088 | +25,4 | − 1,74 | +20,0 | −2 | +1 |
| Jun. 9 | +2,331 | +22,9 | + 0,31 | +20,9 | −1 | +1 |
| 19 | +2,545 | +19,8 | + 2,43 | +21,1 | −1 | +1 |
| 29 | +2,727 | +16,3 | + 4,53 | +20,8 | −1 | +1 |
| Jul. 9 | +2,870 | +12,3 | + 6,58 | +20,0 | 0 | +1 |
| 19 | +2,972 | + 8,0 | + 8,53 | +18,7 | 0 | +1 |
| 29 | +3,029 | + 3,6 | +10,32 | +17,1 | 0 | +2 |
| Aug. 8 | +3,043 | − 0,9 | +11,94 | +15,2 | +1 | +2 |
| 18 | +3,012 | − 5,1 | +13,35 | +13,0 | +1 | +2 |
| 28 | +2,941 | − 8,9 | +14,53 | + 5,7 | +2 | +2 |
| Sept. 7 | +2,834 | −12,2 | +15,48 | + 8,3 | +2 | +3 |
| 17 | +2,698 | −14,7 | +16,18 | + 5,7 | +2 | +3 |
| 27 | +2,540 | −16,5 | +16,62 | + 3,2 | +2 | +3 |
| Oct. 7 | +2,369 | −17,3 | +16,81 | + 0,6 | +3 | +3 |
| 17 | +2,195 | −17,2 | +16,74 | − 2,0 | +3 | +4 |
| 27 | +2,026 | −16,2 | +16,41 | − 4,6 | +3 | +4 |
| Nov. 6 | +1,871 | −14,3 | +15,83 | − 7,1 | +3 | +4 |
| 16 | +1,739 | −11,8 | +15,00 | − 9,5 | +2 | +4 |
| 26 | +1,636 | − 8,6 | +13,93 | −11,8 | +2 | +4 |
| Dec. 6 | +1,567 | − 5,1 | +12,65 | −13,8 | +2 | +5 |
| 16 | +1,534 | − 1,3 | +11,18 | −15,5 | +1 | +5 |
| 26 | +1,541 | + 2,6 | + 9,56 | −16,6 | +1 | +5 |
| 36 | +1,586 | + 6,4 | + 7,86 | −17,3 | 0 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 19 38 10,6455 | +10 12 17,022 |
| 1831 | 38 13,5004 | 12 25,348 |
| 1832 | 38 16,3553 | 12 33,678 |
| 1833 | 38 19,2102 | 12 42,011 |
| 1834 | 38 22,0651 | 12 50,348 |
| 1835 | 38 24,9199 | 12 58,688 |
| 1836 | 38 27,7748 | 13 7,033 |
| 1837 | 38 30,6296 | 13 15,381 |
| 1838 | 38 33,4844 | 13 23,733 |
| 1839 | 38 36,3392 | 13 32,089 |
| 1840 | 38 39,1940 | 13 40,449 |
| 1841 | 38 42,0488 | 13 48,813 |
| 1842 | 38 44,9036 | 13 57,180 |
| 1843 | 38 47,7584 | 14 5,551 |
| 1844 | 38 50,6132 | 14 13,926 |
| 1845 | 38 53,4679 | 14 22,304 |
| 1846 | 38 56,3227 | 14 30,686 |
| 1847 | 38 59,1775 | 14 39,072 |
| 1848 | 39 2,0322 | 14 47,462 |
| 1849 | 39 4,8869 | 14 55,856 |
| 1850 | 39 7,7416 | 15 4,253 |

Diei reducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 19 42 29,198 | + 8 25 38,65 | 1840 | Jan. 1 | 19 42 58,858 | + 8 26 54,96 |
| | Apr. 10 | 29,107 | 38,25 | | Apr. 10 | 58,940 | 55,49 |
| | Jul. 19 | 29,018 | 37,79 | | Jul. 19 | 59,019 | 56,06 |
| | Oct. 27 | 28,932 | 37,27 | | Oct. 27 | 59,094 | 56,68 |
| | Dec. 66 | 28,849 | 36,69 | | Dec. 66 | 59,165 | 57,34 |
| 1831 | Jan. 0 | 19 42 31,805 | + 8 25 45,92 | 1841 | Jan. 0 | 19 43 2,070 | + 8 27 6,19 |
| | Apr. 10 | 31,723 | 45,31 | | Apr. 10 | 2,139 | 6,88 |
| | Jul. 19 | 31,647 | 44,67 | | Jul. 19 | 2,201 | 7,59 |
| | Oct. 27 | 31,576 | 43,97 | | Oct. 27 | 2,258 | 8,33 |
| | Dec. 66 | 31,511 | 43,24 | | Dec. 66 | 2,308 | 9,10 |
| 1832 | Jan. 1 | 19 42 34,460 | + 8 25 52,54 | 1842 | Jan. 0 | 19 43 5,220 | + 8 27 17,93 |
| | Apr. 10 | 34,399 | 51,79 | | Apr. 10 | 5,267 | 18,70 |
| | Jul. 19 | 34,344 | 51,02 | | Jul. 19 | 5,307 | 19,48 |
| | Oct. 27 | 34,296 | 50,24 | | Oct. 27 | 5,339 | 20,27 |
| | Dec. 66 | 34,255 | 49,44 | | Dec. 66 | 5,363 | 21,06 |
| 1833 | Jan. 0 | 19 42 37,196 | + 8 25 58,75 | 1843 | Jan. 0 | 19 43 8,284 | + 8 27 29,88 |
| | Apr. 10 | 37,161 | 57,95 | | Apr. 10 | 8,304 | 30,67 |
| | Jul. 19 | 37,133 | 57,16 | | Jul. 19 | 8,315 | 31,43 |
| | Oct. 27 | 37,113 | 56,38 | | Oct. 27 | 8,318 | 32,17 |
| | Dec. 66 | 37,101 | 55,61 | | Dec. 66 | 8,313 | 32,89 |
| 1834 | Jan. 0 | 19 42 40,033 | + 8 26 4,92 | 1844 | Jan. 1 | 19 43 11,244 | + 8 27 41,74 |
| | Apr. 10 | 40,027 | 4,16 | | Apr. 10 | 11,234 | 42,44 |
| | Jul. 19 | 40,029 | 3,44 | | Jul. 19 | 11,215 | 43,09 |
| | Oct. 27 | 40,039 | 2,75 | | Oct. 27 | 11,188 | 43,70 |
| | Dec. 66 | 40,058 | 2,09 | | Dec. 66 | 11,153 | 44,27 |
| 1835 | Jan. 0 | 19 42 42,979 | + 8 26 11,36 | 1845 | Jan. 0 | 19 43 14,094 | + 8 27 53,19 |
| | Apr. 10 | 43,003 | 10,78 | | Apr. 10 | 14,053 | 53,72 |
| | Jul. 19 | 43,034 | 10,16 | | Jul. 19 | 14,006 | 54,19 |
| | Oct. 27 | 43,072 | 9,68 | | Oct. 27 | 13,952 | 54,60 |
| | Dec. 66 | 43,117 | 9,16 | | Dec. 66 | 13,891 | 54,94 |
| 1836 | Jan. 1 | 19 42 46,030 | + 8 26 18,37 | 1846 | Jan. 0 | 19 43 16,840 | + 8 28 3,93 |
| | Apr. 10 | 46,080 | 17,94 | | Apr. 10 | 16,775 | 4,23 |
| | Jul. 19 | 46,136 | 17,58 | | Jul. 19 | 16,704 | 4,46 |
| | Oct. 27 | 46,198 | 17,26 | | Oct. 27 | 16,629 | 4,61 |
| | Dec. 66 | 46,265 | 17,01 | | Dec. 66 | 16,548 | 4,69 |
| 1837 | Jan. 0 | 19 42 49,170 | + 8 26 26,15 | 1847 | Jan. 0 | 19 43 19,504 | + 8 28 13,78 |
| | Apr. 10 | 49,241 | 25,95 | | Apr. 10 | 19,420 | 13,81 |
| | Jul. 19 | 49,315 | 25,82 | | Jul. 19 | 19,334 | 13,76 |
| | Oct. 27 | 49,394 | 25,77 | | Oct. 27 | 19,246 | 13,64 |
| | Dec. 66 | 49,477 | 25,78 | | Dec. 66 | 19,155 | 13,44 |
| 1838 | Jan. 0 | 19 42 52,377 | + 8 26 34,84 | 1848 | Jan. 1 | 19 43 22,114 | + 8 28 22,62 |
| | Apr. 10 | 52,460 | 34,90 | | Apr. 10 | 22,023 | 22,36 |
| | Jul. 19 | 52,544 | 35,02 | | Jul. 19 | 21,932 | 22,06 |
| | Oct. 27 | 52,630 | 35,22 | | Oct. 27 | 21,842 | 21,68 |
| | Dec. 66 | 52,717 | 35,48 | | Dec. 66 | 21,752 | 21,23 |
| 1839 | Jan. 0 | 19 42 55,616 | + 8 26 44,46 | 1849 | Jan. 0 | 19 43 24,710 | + 8 28 30,50 |
| | Apr. 10 | 55,703 | 44,77 | | Apr. 10 | 24,622 | 30,01 |
| | Jul. 19 | 55,789 | 45,14 | | Jul. 19 | 24,537 | 29,46 |
| | Oct. 27 | 55,874 | 45,56 | | Oct. 27 | 24,455 | 28,86 |
| | Dec. 66 | 55,957 | 46,05 | | Dec. 66 | 24,377 | 28,21 |

## Tabulae X. Sect. V. α *Aquilae.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —1,276 | + 4,8 | + 0,04 | —16,0 | +1 | +1 | 1830 | 19 42 29,2798 | + 8 25 30,898 |
| 10 | —1,210 | + 8,5 | — 1,59 | —16,2 | 0 | +1 | 1831 | 42 32,2083 | 25 39,940 |
| 20 | —1,107 | +11,9 | — 3,20 | —15,8 | 0 | +1 | 1832 | 42 35,1368 | 25 48,986 |
| 30 | —0,972 | +15,1 | — 4,74 | —14,6 | —1 | +1 | 1833 | 42 38,0653 | 25 58,034 |
| Febr. 9 | —0,806 | +18,0 | — 6,12 | —12,8 | —1 | +1 | 1834 | 42 40,9938 | 26 7,089 |
| | | | | | | | 1835 | 42 43,9224 | 26 16,146 |
| 19 | —0,612 | +20,6 | — 7,30 | —10,4 | —2 | +1 | 1836 | 42 46,8509 | 26 25,207 |
| Mart. 1 | —0,394 | +22,9 | — 8,20 | — 7,4 | —2 | +1 | 1837 | 42 49,7794 | 26 34,272 |
| 11 | —0,154 | +24,9 | — 8,77 | — 4,0 | —2 | +1 | 1838 | 42 52,7078 | 26 43,341 |
| 21 | +0,104 | +26,6 | — 8,99 | — 0,4 | —3 | 0 | 1839 | 42 55,6362 | 26 52,414 |
| 31 | +0,378 | +28,0 | — 8,84 | + 3,4 | —3 | 0 | 1840 | 42 58,5645 | 27 1,490 |
| | | | | | | | 1841 | 43 1,4929 | 27 10,570 |
| Apr. 10 | +0,663 | +28,9 | — 8,31 | + 7,1 | —3 | 0 | 1842 | 43 4,4213 | 27 19,654 |
| 20 | +0,955 | +29,4 | — 7,42 | +10,6 | —3 | 0 | 1843 | 43 7,3497 | 27 28,742 |
| 30 | +1,250 | +29,4 | — 6,20 | +13,6 | —3 | 0 | 1844 | 43 10,2781 | 27 37,834 |
| Maj. 10 | +1,542 | +28,8 | — 4,71 | +16,1 | —2 | 0 | 1845 | 43 13,2064 | 27 46,930 |
| 20 | +1,825 | +27,6 | — 2,98 | +18,2 | —2 | 0 | 1846 | 43 16,1347 | 27 56,030 |
| | | | | | | | 1847 | 43 19,0630 | 28 5,133 |
| 30 | +2,094 | +25,8 | — 1,08 | +19,6 | —2 | +1 | 1848 | 43 21,9913 | 28 14,240 |
| Jun. 9 | +2,341 | +23,4 | + 0,93 | +20,3 | —2 | +1 | 1849 | 43 24,9196 | 28 23,351 |
| 19 | +2,561 | +20,4 | + 2,98 | +20,5 | —1 | +1 | 1850 | 43 27,8478 | 28 32,466 |
| 29 | +2,748 | +16,8 | + 5,03 | +20,2 | —1 | +1 | | | |
| Jul. 9 | +2,897 | +12,9 | + 7,01 | +19,3 | 0 | +1 | | | |
| 19 | +3,005 | + 8,6 | + 8,89 | +18,1 | 0 | +2 | | | |
| 29 | +3,069 | + 4,2 | +10,62 | +16,4 | 0 | +2 | | | |
| Aug. 8 | +3,089 | — 0,2 | +12,17 | +14,5 | +1 | +2 | | | |
| 18 | +3,065 | — 4,5 | +13,52 | +12,4 | +1 | +2 | | | |
| 28 | +3,000 | — 8,3 | +14,65 | +10,2 | +2 | +3 | | | |
| Sept. 7 | +2,899 | —11,7 | +15,56 | + 7,9 | +2 | +3 | | | |
| 17 | +2,767 | —14,3 | +16,22 | + 5,4 | +2 | +3 | | | |
| 27 | +2,614 | —16,0 | +16,64 | + 3,0 | +2 | +3 | | | |
| Oct. 7 | +2,447 | —16,9 | +16,82 | + 0,6 | +3 | +4 | | | |
| 17 | +2,276 | —16,9 | +16,76 | — 1,8 | +3 | +4 | | | |
| 27 | +2,110 | —15,9 | +16,46 | — 4,2 | +3 | +4 | | | |
| Nov. 6 | +1,958 | —14,2 | +15,92 | — 6,6 | +3 | +4 | | | |
| 16 | +1,827 | —11,7 | +15,15 | — 8,8 | +2 | +4 | | | |
| 26 | +1,725 | — 8,6 | +14,16 | —11,0 | +2 | +4 | | | |
| Dec. 6 | +1,656 | — 5,1 | +12,96 | —12,8 | +2 | +5 | | | |
| 16 | +1,623 | — 1,4 | +11,60 | —14,4 | +1 | +5 | | | |
| 26 | +1,629 | + 2,4 | +10,09 | —15,5 | +1 | +5 | | | |
| 36 | +1,672 | + 6,2 | + 8,50 | —16,1 | 0 | +5 | | | |

Diei reducto addendum est:

ante } Jan. 13 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. β *Aquilae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 19 46 57,681 | + 5 59 23,56 | 1840 | Jan. 1 | 19 47 27,584 | + 6 0 34,92 |
| | Apr. 10 | 57,589 | 23,15 | | Apr. 10 | 27,667 | 35,45 |
| | Jul. 19 | 57,499 | 22,69 | | Jul. 19 | 27,747 | 36,03 |
| | Oct. 27 | 57,412 | 22,16 | | Oct. 27 | 27,823 | 36,65 |
| | Dec. 66 | 57,327 | 21,57 | | Dec. 66 | 27,895 | 37,32 |
| 1831 | Jan. 0 | 19 47 0,305 | + 5 59 30,30 | 1841 | Jan. 0 | 19 47 30,821 | + 6 0 45,66 |
| | Apr. 10 | 0,223 | 29,68 | | Apr. 10 | 30,890 | 46,35 |
| | Jul. 19 | 0,146 | 29,03 | | Jul. 19 | 30,953 | 47,07 |
| | Oct. 27 | 0,074 | 28,33 | | Oct. 27 | 31,010 | 47,81 |
| | Dec. 66 | 0,007 | 27,59 | | Dec. 66 | 31,061 | 48,58 |
| 1832 | Jan. 1 | 19 47 2,979 | + 5 59 36,37 | 1842 | Jan. 0 | 19 47 33,994 | + 6 0 56,89 |
| | Apr. 10 | 2,918 | 35,62 | | Apr. 10 | 34,041 | 57,66 |
| | Jul. 19 | 2,862 | 34,85 | | Jul. 19 | 34,080 | 58,44 |
| | Oct. 27 | 2,814 | 34,07 | | Oct. 27 | 34,112 | 59,22 |
| | Dec. 66 | 2,773 | 33,28 | | Dec. 66 | 34,136 | 1 0,01 |
| 1833 | Jan. 0 | 19 47 5,735 | + 5 59 42,08 | 1843 | Jan. 0 | 19 47 37,079 | + 6 1 8,32 |
| | Apr. 10 | 5,700 | 41,28 | | Apr. 10 | 37,098 | 9,10 |
| | Jul. 19 | 5,673 | 40,49 | | Jul. 19 | 37,108 | 9,85 |
| | Oct. 27 | 5,654 | 39,72 | | Oct. 27 | 37,110 | 10,58 |
| | Dec. 66 | 5,643 | 38,95 | | Dec. 66 | 37,104 | 11,29 |
| 1834 | Jan. 0 | 19 47 8,596 | + 5 59 47,74 | 1844 | Jan. 1 | 19 47 40,057 | + 6 1 19,64 |
| | Apr. 10 | 8,591 | 46,99 | | Apr. 10 | 40,045 | 20,33 |
| | Jul. 19 | 8,594 | 46,28 | | Jul. 19 | 40,025 | 20,97 |
| | Oct. 27 | 8,605 | 45,60 | | Oct. 27 | 39,997 | 21,57 |
| | Dec. 66 | 8,625 | 44,95 | | Dec. 66 | 39,960 | 22,13 |
| 1835 | Jan. 0 | 19 47 11,568 | + 5 59 53,70 | 1845 | Jan. 0 | 19 47 42,923 | + 6 1 30,53 |
| | Apr. 10 | 11,593 | 53,08 | | Apr. 10 | 42,881 | 31,05 |
| | Jul. 19 | 11,625 | 52,51 | | Jul. 19 | 42,832 | 31,50 |
| | Oct. 27 | 11,665 | 52,00 | | Oct. 27 | 42,776 | 31,90 |
| | Dec. 66 | 11,712 | 51,54 | | Dec. 66 | 42,713 | 32,23 |
| 1836 | Jan. 1 | 19 47 14,645 | + 6 0 0,23 | 1846 | Jan. 0 | 19 47 45,685 | + 6 1 40,71 |
| | Apr. 10 | 14,697 | 5 59 59,81 | | Apr. 10 | 45,618 | 41,00 |
| | Jul. 19 | 14,755 | 59,45 | | Jul. 19 | 45,545 | 41,21 |
| | Oct. 27 | 14,819 | 59,15 | | Oct. 27 | 45,468 | 41,35 |
| | Dec. 66 | 14,888 | 58,92 | | Dec. 66 | 45,385 | 41,41 |
| 1837 | Jan. 0 | 19 47 17,814 | + 6 0 7,54 | 1847 | Jan. 0 | 19 47 48,363 | + 6 1 49,99 |
| | Apr. 10 | 17,886 | 7,36 | | Apr. 10 | 48,277 | 50,01 |
| | Jul. 19 | 17,962 | 7,24 | | Jul. 19 | 48,189 | 49,95 |
| | Oct. 27 | 18,042 | 7,20 | | Oct. 27 | 48,099 | 49,82 |
| | Dec. 66 | 18,125 | 7,22 | | Dec. 66 | 48,007 | 49,61 |
| 1838 | Jan. 0 | 19 47 21,047 | + 6 0 15,76 | 1848 | Jan. 1 | 19 47 50,988 | + 6 1 58,27 |
| | Apr. 10 | 21,133 | 15,83 | | Apr. 10 | 50,895 | 58,01 |
| | Jul. 19 | 21,219 | 15,97 | | Jul. 19 | 50,802 | 57,69 |
| | Oct. 27 | 21,307 | 16,18 | | Oct. 27 | 50,711 | 57,29 |
| | Dec. 66 | 21,395 | 16,45 | | Dec. 66 | 50,620 | 56,83 |
| 1839 | Jan. 0 | 19 47 24,315 | + 6 0 24,91 | 1849 | Jan. 0 | 19 47 53,600 | + 6 2 5,59 |
| | Apr. 10 | 24,404 | 25,23 | | Apr. 10 | 53,510 | 5,09 |
| | Jul. 19 | 24,492 | 25,60 | | Jul. 19 | 53,424 | 4,54 |
| | Oct. 27 | 24,578 | 26,04 | | Oct. 27 | 53,341 | 3,94 |
| | Dec. 66 | 24,662 | 26,54 | | Dec. 66 | 53,262 | 3,28 |

## Tabulae X. Sect. V. β *Aquilae.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −1,262 | + 4,5 | − 0,19 | −14,8 | +1 | +1 | 1830 | 19 46 57,7754 | + 5 59 15,906 |
| 10 | −1,198 | + 8,2 | − 1,69 | −14,9 | 0 | +1 | 1831 | 47 0,7254 | 59 24,433 |
| 20 | −1,099 | +11,6 | − 3,17 | −14,5 | 0 | +1 | 1832 | 47 3,6754 | 59 32,964 |
| 30 | −0,967 | +14,7 | − 4,58 | −13,5 | −1 | +1 | 1833 | 47 6,6254 | 59 41,498 |
| Febr. 9 | −0,805 | +17,6 | − 5,86 | −11,8 | −1 | +1 | 1834 | 47 9,5754 | 59 50,036 |
| | | | | | | | 1835 | 47 12,5255 | 59 58,578 |
| 19 | −0,615 | +20,2 | − 6,93 | − 9,4 | −2 | +1 | 1836 | 47 15,4755 | 6 0 7,123 |
| Mart. 1 | −0,401 | +22,5 | − 7,74 | − 6,6 | −2 | +1 | 1837 | 47 18,4255 | 0 15,673 |
| 11 | −0,165 | +24,6 | − 8,25 | − 3,4 | −2 | +1 | 1838 | 47 21,3754 | 0 24,225 |
| 21 | +0,091 | +26,4 | − 8,42 | + 0,1 | −3 | 0 | 1839 | 47 24,3253 | 0 32,782 |
| 31 | +0,362 | +27,7 | − 8,23 | + 3,7 | −3 | 0 | 1840 | 47 27,2751 | 0 41,342 |
| | | | | | | | 1841 | 47 30,2250 | 0 49,906 |
| Apr. 10 | +0,644 | +28,7 | − 7,70 | + 7,1 | −3 | 0 | 1842 | 47 33,1749 | 0 58,474 |
| 20 | +0,935 | +29,3 | − 6,82 | +10,3 | −3 | 0 | 1843 | 47 36,1248 | 1 7,045 |
| 30 | +1,230 | +29,4 | − 5,64 | +13,1 | −3 | 0 | 1844 | 47 39,0746 | 1 15,620 |
| Maj. 10 | +1,522 | +28,9 | − 4,20 | +15,5 | −2 | 0 | 1845 | 47 42,0244 | 1 24,199 |
| 20 | +1,807 | +27,8 | − 2,55 | +17,3 | −2 | 0 | 1846 | 47 44,9742 | 1 32,781 |
| | | | | | | | 1847 | 47 47,9240 | 1 41,367 |
| 30 | +2,077 | +26,0 | − 0,74 | +18,6 | −2 | +1 | 1848 | 47 50,8738 | 1 49,957 |
| Jun. 9 | +2,327 | +23,7 | + 1,16 | +19,2 | −2 | +1 | 1849 | 47 53,8236 | 1 58,550 |
| 19 | +2,551 | +20,8 | + 3,10 | +19,3 | −1 | +1 | 1850 | 47 56,7733 | 2 7,147 |
| 29 | +2,742 | +17,3 | + 5,02 | +18,9 | −1 | +1 | | | |
| Jul. 9 | +2,897 | +13,4 | + 6,87 | +18,0 | −1 | +1 | | | |
| 19 | +3,009 | + 9,1 | + 8,62 | +16,7 | 0 | +2 | | | |
| 29 | +3,079 | + 4,3 | +10,21 | +15,1 | 0 | +2 | | | |
| Aug. 8 | +3,104 | + 0,3 | +11,63 | +13,2 | +1 | +2 | | | |
| 18 | +3,085 | − 4,0 | +12,85 | +11,2 | +1 | +2 | | | |
| 28 | +3,025 | − 7,9 | +13,86 | + 9,0 | +1 | +3 | | | |
| Sept. 7 | +2,928 | −11,3 | +14,65 | + 6,8 | +2 | +3 | | | |
| 17 | +2,800 | −13,9 | +15,22 | + 4,6 | +2 | +3 | | | |
| 27 | +2,651 | −15,8 | +15,57 | + 2,4 | +2 | +3 | | | |
| Oct. 7 | +2,486 | −16,8 | +15,69 | + 0,1 | +2 | +3 | | | |
| 17 | +2,317 | −16,7 | +15,59 | − 2,1 | +3 | +4 | | | |
| 27 | +2,153 | −15,8 | +15,28 | − 4,2 | +3 | +4 | | | |
| Nov. 6 | +2,001 | −14,2 | +14,75 | − 6,4 | +3 | +4 | | | |
| 16 | +1,870 | −11,7 | +14,01 | − 8,4 | +2 | +4 | | | |
| 26 | +1,768 | − 8,6 | +13,07 | −10,3 | +2 | +4 | | | |
| Dec. 6 | +1,698 | − 5,3 | +11,96 | −11,9 | +2 | +4 | | | |
| 16 | +1,663 | − 1,6 | +10,69 | −13,4 | +1 | +4 | | | |
| 26 | +1,667 | + 2,3 | + 9,29 | −14,4 | +1 | +4 | | | |
| 36 | +1,708 | + 5,9 | + 7,81 | −14,9 | 0 | +4 | | | |

Diei reducto addendum est:

ante } Jan. 14 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. 1*a* *Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 20 8 12,947 | — 13 1 32,39 | 1840 | Jan. 1 | 20 8 46,930 | —12 59 58,99 |
| | Apr. 10 | 12,844 | 32,84 | | Apr. 10 | 47,021 | 58,43 |
| | Jul. 19 | 12,745 | 33,35 | | Jul. 19 | 47,106 | 57,83 |
| | Oct. 27 | 12,650 | 33,91 | | Oct. 27 | 47,187 | 57,19 |
| | Dec. 66 | 12,558 | 34,53 | | Dec. 66 | 47,262 | 56,50 |
| 1831 | Jan. 0 | 20 8 15,921 | — 13 1 23,69 | 1841 | Jan. 0 | 20 8 50,569 | —12 59 46,07 |
| | Apr. 10 | 15,833 | 24,33 | | Apr. 10 | 50,641 | 45,36 |
| | Jul. 19 | 15,752 | 25,01 | | Jul. 19 | 50,705 | 44,64 |
| | Oct. 27 | 15,677 | 25,72 | | Oct. 27 | 50,762 | 43,90 |
| | Dec. 66 | 15,609 | 26,47 | | Dec. 66 | 50,812 | 43,14 |
| 1832 | Jan. 1 | 20 8 18,963 | — 13 1 15,59 | 1842 | Jan. 0 | 20 8 54,128 | —12 59 32,72 |
| | Apr. 10 | 18,900 | 16,35 | | Apr. 10 | 54,172 | 31,95 |
| | Jul. 19 | 18,846 | 17,11 | | Jul. 19 | 54,207 | 31,19 |
| | Oct. 27 | 18,800 | 17,89 | | Oct. 27 | 54,234 | 30,43 |
| | Dec. 66 | 18,763 | 18,67 | | Dec. 66 | 54,252 | 29,67 |
| 1833 | Jan. 0 | 20 8 22,107 | — 13 1 7,77 | 1843 | Jan. 0 | 20 8 57,579 | —12 59 19,25 |
| | Apr. 10 | 22,076 | 8,55 | | Apr. 10 | 57,590 | 18,50 |
| | Jul. 19 | 22,054 | 9,31 | | Jul. 19 | 57,592 | 17,78 |
| | Oct. 27 | 22,042 | 10,06 | | Oct. 27 | 57,585 | 17,08 |
| | Dec. 66 | 22,040 | 10,80 | | Dec. 66 | 57,568 | 16,41 |
| 1834 | Jan. 0 | 20 8 25,372 | — 13 0 59,92 | 1844 | Jan. 1 | 20 9 0,907 | —12 59 5,95 |
| | Apr. 10 | 25,376 | 1 0,63 | | Apr. 10 | 0,884 | 5,31 |
| | Jul. 19 | 25,389 | 1,31 | | Jul. 19 | 0,852 | 4,71 |
| | Oct. 27 | 25,411 | 1,94 | | Oct. 27 | 0,811 | 4,17 |
| | Dec. 66 | 25,443 | 2,54 | | Dec. 66 | 0,760 | 3,67 |
| 1835 | Jan. 0 | 20 8 28,764 | — 13 0 51,71 | 1845 | Jan. 0 | 20 9 4,110 | —12 53 53,14 |
| | Apr. 10 | 28,802 | 52,28 | | Apr. 10 | 4,054 | 52,68 |
| | Jul. 19 | 28,847 | 52,79 | | Jul. 19 | 3,990 | 52,29 |
| | Oct. 27 | 28,901 | 53,25 | | Oct. 27 | 3,919 | 51,95 |
| | Dec. 66 | 28,962 | 53,65 | | Dec. 66 | 3,841 | 51,68 |
| 1836 | Jan. 1 | 20 8 32,273 | — 13 0 42,88 | 1846 | Jan. 0 | 20 9 7,199 | —12 58 41,08 |
| | Apr. 10 | 32,340 | 43,24 | | Apr. 10 | 7,116 | 40,86 |
| | Jul. 19 | 32,412 | 43,54 | | Jul. 19 | 7,028 | 40,71 |
| | Oct. 27 | 32,490 | 43,77 | | Oct. 27 | 6,935 | 40,63 |
| | Dec. 66 | 32,574 | 43,94 | | Dec. 66 | 6,838 | 40,63 |
| 1837 | Jan. 0 | 20 8 35,878 | — 13 0 33,24 | 1847 | Jan. 0 | 20 9 10,202 | —12 58 29,93 |
| | Apr. 10 | 35,965 | 33,36 | | Apr. 10 | 10,102 | 29,97 |
| | Jul. 19 | 36,056 | 33,42 | | Jul. 19 | 10,000 | 30,09 |
| | Oct. 27 | 36,150 | 33,40 | | Oct. 27 | 9,896 | 30,28 |
| | Dec. 66 | 36,247 | 33,32 | | Dec. 66 | 9,791 | 30,55 |
| 1838 | Jan. 0 | 20 8 39,546 | — 13 0 22,70 | 1848 | Jan. 1 | 20 9 13,157 | —12 58 19,76 |
| | Apr. 10 | 39,645 | 22,57 | | Apr. 10 | 13,051 | 20,07 |
| | Jul. 19 | 39,745 | 22,38 | | Jul. 19 | 12,948 | 20,44 |
| | Oct. 27 | 39,845 | 22,12 | | Oct. 27 | 12,846 | 20,88 |
| | Dec. 66 | 39,945 | 21,80 | | Dec. 66 | 12,745 | 21,38 |
| 1839 | Jan. 0 | 20 8 43,243 | — 13 0 11,26 | 1849 | Jan. 0 | 20 9 16,109 | —12 58 10,51 |
| | Apr. 10 | 43,343 | 10,90 | | Apr. 10 | 16,011 | 11,04 |
| | Jul. 19 | 43,441 | 10,48 | | Jul. 19 | 15,917 | 11,63 |
| | Oct. 27 | 43,536 | 10,00 | | Oct. 27 | 15,829 | 12,26 |
| | Dec. 66 | 43,629 | 9,47 | | Dec. 66 | 15,745 | 12,94 |

## Tabulae X. Sect. V. 1 α *Capricórni.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,246 | + 3,9 | − 2,58 | − 3,5 | +1 | −1 |
| 10 | −1,189 | + 7,5 | − 2,92 | − 3,2 | +1 | −1 |
| 20 | −1,097 | +10,9 | − 3,21 | − 2,5 | 0 | −1 |
| 30 | −0,971 | +14,1 | − 3,42 | − 1,6 | 0 | −1 |
| Febr. 9 | −0,815 | +17,0 | − 3,53 | − 0,5 | −1 | −1 |
| 19 | −0,631 | +19,7 | − 3,51 | + 1,0 | −1 | −1 |
| Mart. 1 | −0,421 | +22,2 | − 3,34 | + 2,6 | −2 | −1 |
| 11 | −0,188 | +24,4 | − 2,99 | + 4,4 | −2 | −1 |
| 21 | +0,066 | +26,4 | − 2,46 | + 6,2 | −3 | 0 |
| 31 | +0,339 | +28,1 | − 1,75 | + 8,0 | −3 | 0 |
| Apr. 10 | +0,627 | +29,4 | − 0,86 | + 9,7 | −3 | 0 |
| 20 | +0,927 | +30,4 | + 0,19 | +11,1 | −3 | 0 |
| 30 | +1,234 | +30,8 | + 1,35 | +12,1 | −3 | +1 |
| Maj. 10 | +1,543 | +30,8 | + 2,61 | +12,8 | −3 | +1 |
| 20 | +1,849 | +30,1 | + 3,91 | +13,0 | −3 | +1 |
| 30 | +2,145 | +28,7 | + 5,21 | +12,9 | −3 | +2 |
| Jun. 9 | +2,423 | +26,7 | + 6,48 | +12,3 | −3 | +2 |
| 19 | +2,678 | +24,0 | + 7,66 | +11,3 | −2 | +2 |
| 29 | +2,903 | +20,7 | + 8,73 | +10,0 | −2 | +3 |
| Jul. 9 | +3,091 | +16,8 | + 9,66 | + 8,5 | −1 | +3 |
| 19 | +3,238 | +12,5 | +10,43 | + 6,9 | −1 | +3 |
| 29 | +3,341 | + 8,0 | +11,03 | + 5,2 | −1 | +4 |
| Aug. 8 | +3,397 | + 3,4 | +11,46 | + 3,5 | 0 | +4 |
| 18 | +3,408 | − 1,2 | +11,73 | + 2,0 | 0 | +4 |
| 28 | +3,374 | − 5,5 | +11,85 | + 0,6 | +1 | +4 |
| Sept. 7 | +3,299 | − 9,2 | +11,84 | − 0,7 | +1 | +4 |
| 17 | +3,190 | −12,3 | +11,71 | − 1,7 | +2 | +4 |
| 27 | +3,054 | −14,5 | +11,50 | − 2,4 | +2 | +4 |
| Oct. 7 | +2,900 | −15,9 | +11,23 | − 2,9 | +2 | +4 |
| 17 | +2,737 | −16,3 | +10,92 | − 3,3 | +3 | +4 |
| 27 | +2,575 | −15,7 | +10,57 | − 3,6 | +3 | +4 |
| Nov. 6 | +2,424 | −14,2 | +10,20 | − 3,7 | +3 | +4 |
| 16 | +2,292 | −12,0 | + 9,83 | − 3,8 | +2 | +4 |
| 26 | +2,185 | − 9,1 | + 9,45 | − 3,8 | +2 | +4 |
| Dec. 6 | +2,111 | − 5,7 | + 9,07 | − 3,9 | +2 | +4 |
| 16 | +2,071 | − 2,2 | + 8,68 | − 3,8 | +1 | +4 |
| 26 | +2,068 | + 1,6 | + 8,31 | − 3,7 | +1 | +4 |
| 36 | +2,103 | + 5,3 | + 7,95 | − 3,4 | 0 | +3 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 20 8 13,1594 | − 13 1 39,571 |
| 1831 | 8 16,4921 | 1 28,946 |
| 1832 | 8 19,8247 | 1 18,318 |
| 1833 | 8 23,1572 | 1 7,685 |
| 1834 | 8 26,4896 | 0 57,048 |
| 1835 | 8 29,8219 | 0 46,407 |
| 1836 | 8 33,1542 | 0 35,762 |
| 1837 | 8 36,4864 | 0 25,113 |
| 1838 | 8 39,8185 | 0 14,459 |
| 1839 | 8 43,1505 | 0 3,802 |
| 1840 | 8 46,4823 | −12 59 53,140 |
| 1841 | 8 49,8141 | 59 42,475 |
| 1842 | 8 53,1459 | 59 31,805 |
| 1843 | 8 56,4776 | 59 21,131 |
| 1844 | 8 59,8092 | 59 10,453 |
| 1845 | 9 3,1407 | 58 59,771 |
| 1846 | 9 6,4721 | 58 49,085 |
| 1847 | 9 9,8035 | 58 38,394 |
| 1848 | 9 13,1348 | 58 27,700 |
| 1849 | 9 16,4660 | 58 17,001 |
| 1850 | 9 19,7970 | 58 6,299 |

Diei reducto addendum est:

ante / post } Jan. 19 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. 2 *a* *Capricorni.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 20 8 36,801 | — 13 3 50,02 | 1840 | Jan. 1 | 20 9 10,831 | — 13 2 16,33 |
| | Apr. 10 | 36,699 | 50,47 | | Apr. 10 | 10,922 | 15,76 |
| | Jul. 19 | 36,600 | 50,98 | | Jul. 19 | 11,007 | 15,16 |
| | Oct. 27 | 36,505 | 51,54 | | Oct. 27 | 11,088 | 14,52 |
| | Dec. 66 | 36,413 | 52,16 | | Dec. 66 | 11,163 | 13,83 |
| 1831 | Jan. 0 | 20 8 39,780 | — 13 3 41,30 | 1841 | Jan. 0 | 20 9 14,475 | — 13 2 3,37 |
| | Apr. 10 | 39,692 | 41,94 | | Apr. 10 | 14,546 | 2,67 |
| | Jul. 19 | 39,610 | 42,62 | | Jul. 19 | 14,610 | 1,95 |
| | Oct. 27 | 39,536 | 43,33 | | Oct. 27 | 14,667 | 1,20 |
| | Dec. 66 | 39,468 | 44,07 | | Dec. 66 | 14,717 | 0,44 |
| 1832 | Jan. 1 | 20 8 42,827 | — 13 3 33,17 | 1842 | Jan. 0 | 20 9 18,037 | — 13 1 50,00 |
| | Apr. 10 | 42,764 | 33,93 | | Apr. 10 | 18,082 | 49,23 |
| | Jul. 19 | 42,709 | 34,69 | | Jul. 19 | 18,117 | 48,47 |
| | Oct. 27 | 42,663 | 35,47 | | Oct. 27 | 18,144 | 47,71 |
| | Dec. 66 | 42,626 | 36,25 | | Dec. 66 | 18,161 | 46,95 |
| 1833 | Jan. 0 | 20 8 45,975 | — 13 3 25,32 | 1843 | Jan. 0 | 20 9 21,493 | — 13 1 36,50 |
| | Apr. 10 | 45,943 | 26,10 | | Apr. 10 | 21,504 | 35,75 |
| | Jul. 19 | 45,922 | 26,86 | | Jul. 19 | 21,506 | 35,03 |
| | Oct. 27 | 45,911 | 27,61 | | Oct. 27 | 21,499 | 34,34 |
| | Dec. 66 | 45,910 | 28,35 | | Dec. 66 | 21,483 | 33,67 |
| 1834 | Jan. 0 | 20 8 49,245 | — 13 3 17,44 | 1844 | Jan. 1 | 20 9 24,825 | — 13 1 23,18 |
| | Apr. 10 | 49,249 | 18,15 | | Apr. 10 | 24,802 | 22,54 |
| | Jul. 19 | 49,262 | 18,83 | | Jul. 19 | 24,770 | 21,94 |
| | Oct. 27 | 49,284 | 19,46 | | Oct. 27 | 24,729 | 21,39 |
| | Dec. 66 | 49,316 | 20,06 | | Dec. 66 | 24,679 | 20,89 |
| 1835 | Jan. 0 | 20 8 52,642 | — 13 3 9,20 | 1845 | Jan. 0 | 20 9 28,032 | — 13 1 10,35 |
| | Apr. 10 | 52,680 | 9,77 | | Apr. 10 | 27,976 | 9,89 |
| | Jul. 19 | 52,725 | 10,28 | | Jul. 19 | 27,913 | 9,49 |
| | Oct. 27 | 52,779 | 10,74 | | Oct. 27 | 27,842 | 9,16 |
| | Dec. 66 | 52,840 | 11,14 | | Dec. 66 | 27,764 | 8,89 |
| 1836 | Jan. 1 | 20 8 56,155 | — 13 3 0,34 | 1846 | Jan. 0 | 20 9 31,127 | — 13 0 58,26 |
| | Apr. 10 | 56,222 | 0,70 | | Apr. 10 | 31,044 | 58,04 |
| | Jul. 19 | 56,294 | 1,00 | | Jul. 19 | 30,956 | 57,89 |
| | Oct. 27 | 56,372 | 1,23 | | Oct. 27 | 30,863 | 57,81 |
| | Dec. 66 | 56,456 | 1,40 | | Dec. 66 | 30,765 | 57,81 |
| 1837 | Jan. 0 | 20 8 59,764 | — 13 2 50,67 | 1847 | Jan. 0 | 20 9 34,134 | — 13 0 47,08 |
| | Apr. 10 | 59,852 | 50,79 | | Apr. 10 | 34,034 | 47,13 |
| | Jul. 19 | 59,943 | 50,85 | | Jul. 19 | 33,932 | 47,25 |
| | Oct. 27 | 9 0,037 | 50,83 | | Oct. 27 | 33,828 | 47,44 |
| | Dec. 66 | 0,134 | 50,75 | | Dec. 66 | 33,723 | 47,71 |
| 1838 | Jan. 0 | 20 9 3,438 | — 13 2 40,10 | 1848 | Jan. 1 | 20 9 37,094 | — 13 0 36,89 |
| | Apr. 10 | 3,537 | 39,97 | | Apr. 10 | 36,988 | 37,20 |
| | Jul. 19 | 3,636 | 39,78 | | Jul. 19 | 36,884 | 37,58 |
| | Oct. 27 | 3,736 | 39,52 | | Oct. 27 | 36,782 | 38,01 |
| | Dec. 66 | 3,837 | 39,19 | | Dec. 66 | 36,681 | 38,51 |
| 1839 | Jan. 0 | 20 9 7,140 | — 13 2 28,63 | 1849 | Jan. 0 | 20 9 40,050 | — 13 0 27,61 |
| | Apr. 10 | 7,240 | 28,26 | | Apr. 10 | 39,951 | 28,15 |
| | Jul. 19 | 7,337 | 27,84 | | Jul. 19 | 39,858 | 28,73 |
| | Oct. 27 | 7,432 | 27,36 | | Oct. 27 | 39,771 | 29,36 |
| | Dec. 66 | 7,525 | 26,83 | | Dec. 66 | 39,689 | 30,04 |

## Tabulae X. Sect. V. 2*a* *Capricorni.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | —1,246 | + 3,9 | — 2,60 | — 3,5 | +1 | —1 |
| 10 | —1,189 | + 7,5 | — 2,93 | — 3,1 | +1 | —1 |
| 20 | —1,097 | + 9,9 | — 3,21 | — 2,5 | 0 | —1 |
| 30 | —0,971 | +12,6 | — 3,42 | — 1,6 | 0 | —1 |
| Febr. 9 | —0,816 | +16,5 | — 3,53 | — 0,5 | —1 | —1 |
| 19 | —0,632 | +19,7 | — 3,51 | + 1,0 | —1 | —1 |
| Mart. 1 | —0,423 | +22,2 | — 3,33 | + 2,7 | —2 | —1 |
| 11 | —0,189 | +24,4 | — 2,98 | + 4,4 | —2 | —1 |
| 21 | +0,065 | +26,4 | — 2,45 | + 6,3 | —3 | 0 |
| 31 | +0,338 | +28,1 | — 1,73 | + 8,1 | —3 | 0 |
| Apr. 10 | +0,626 | +29,4 | — 0,84 | + 9,7 | —3 | 0 |
| 20 | +0,926 | +30,4 | + 0,21 | +11,1 | —3 | 0 |
| 30 | +1,233 | +30,9 | + 1,38 | +12,1 | —3 | 0 |
| Maj. 10 | +1,543 | +30,8 | + 2,63 | +12,8 | —3 | +1 |
| 20 | +1,849 | +30,1 | + 3,94 | +13,1 | —3 | +1 |
| 30 | +2,145 | +28,8 | + 5,24 | +12,8 | —3 | +2 |
| Jun. 9 | +2,424 | +26,7 | + 6,50 | +12,3 | —3 | +2 |
| 19 | +2,679 | +24,0 | + 7,69 | +11,3 | —2 | +2 |
| 29 | +2,904 | +20,7 | + 8,76 | +10,0 | —2 | +3 |
| Jul. 9 | +3,093 | +16,9 | + 9,69 | + 8,5 | —2 | +3 |
| 19 | +3,241 | +12,6 | +10,46 | + 6,9 | —1 | +3 |
| 29 | +3,344 | + 8,0 | +11,06 | + 5,2 | —1 | +4 |
| Aug. 8 | +3,401 | + 3,4 | +11,49 | + 3,5 | 0 | +4 |
| 18 | +3,412 | — 1,2 | +11,75 | + 1,9 | 0 | +4 |
| 28 | +3,378 | — 5,4 | +11,87 | + 0,5 | +1 | +4 |
| Sept. 7 | +3,304 | — 9,2 | +11,85 | — 0,7 | +1 | +4 |
| 17 | +3,195 | —12,3 | +11,73 | — 1,7 | +2 | +4 |
| 27 | +3,059 | —14,5 | +11,52 | — 2,5 | +2 | +4 |
| Oct. 7 | +2,906 | —15,8 | +11,24 | — 3,0 | +2 | +4 |
| 17 | +2,743 | —16,3 | +10,92 | — 3,3 | +2 | +4 |
| 27 | +2,581 | —15,7 | +10,58 | — 3,6 | +3 | +4 |
| Nov. 6 | +2,430 | —14,2 | +10,21 | — 3,7 | +3 | +4 |
| 16 | +2,298 | —12,0 | + 9,84 | — 3,8 | +2 | +4 |
| 26 | +2,191 | — 9,1 | + 9,46 | — 3,9 | +2 | +4 |
| Dec. 6 | +2,117 | — 5,7 | + 9,07 | — 3,9 | +2 | +4 |
| 16 | +2,077 | — 2,2 | + 8,69 | — 3,8 | +1 | +4 |
| 26 | +2,074 | + 1,6 | + 8,32 | — 3,7 | +1 | +4 |
| 36 | +2,108 | + 5,2 | + 7,96 | — 3,4 | 0 | +4 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 20 8 37,0142 | — 13 3 57,193 |
| 1831 | 8 40,3514 | 3 46,541 |
| 1832 | 8 43,6885 | 3 35,885 |
| 1833 | 8 47,0255 | 3 25,224 |
| 1834 | 8 50,3625 | 3 14,560 |
| 1835 | 8 53,6994 | 3 3,891 |
| 1836 | 8 57,0362 | 2 53,218 |
| 1837 | 9 0,3729 | 2 42,541 |
| 1838 | 9 3,7095 | 2 31,860 |
| 1839 | 9 7,0461 | 2 21,175 |
| 1840 | 9 10,3826 | 2 10,486 |
| 1841 | 9 13,7190 | 1 59,792 |
| 1842 | 9 17,0553 | 1 49,095 |
| 1843 | 9 20,3915 | 1 38,393 |
| 1844 | 9 23,7277 | 1 27,688 |
| 1845 | 9 27,0638 | 1 16,978 |
| 1846 | 9 30,3998 | 1 6,264 |
| 1847 | 9 33,7357 | 0 55,546 |
| 1848 | 9 37,0715 | 0 44,824 |
| 1849 | 9 40,4073 | 0 34,097 |
| 1850 | 9 43,7429 | 0 23,367 |

Diei reducto addendum est:

ante } Jan. 19 { 0
post } { + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Cygni.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 20h 35′ 38″,582 | +44° 40′ 40″,69 | 1840 | Jan. 1 | 20h 35′ 58″,595 | +44° 42′ 35″,12 |
| | Apr. 10 | 38,512 | 40,18 | | Apr. 10 | 58,665 | 35,71 |
| | Jul. 19 | 38,441 | 39,63 | | Jul. 19 | 58,735 | 36,34 |
| | Oct. 27 | 38,369 | 39,03 | | Oct. 27 | 58,805 | 37,00 |
| | Dec. 66 | 38,295 | 38,39 | | Dec. 66 | 58,874 | 37,70 |
| 1831 | Jan. 0 | 20 35 40,361 | +44 40 51,20 | 1841 | Jan. 0 | 20 36 0,893 | +44 42 50,07 |
| | Apr. 10 | 40,288 | 50,53 | | Apr. 10 | 0,962 | 50,78 |
| | Jul. 19 | 40,216 | 49,83 | | Jul. 19 | 1,029 | 51,50 |
| | Oct. 27 | 40,145 | 49,11 | | Oct. 27 | 1,094 | 52,23 |
| | Dec. 66 | 40,075 | 48,37 | | Dec. 66 | 1,157 | 52,98 |
| 1832 | Jan. 1 | 20 35 42,139 | +44 41 1,21 | 1842 | Jan. 0 | 20 36 3,178 | +44 43 5,35 |
| | Apr. 10 | 42,071 | 0,46 | | Apr. 10 | 3,239 | 6,09 |
| | Jul. 19 | 42,006 | 40 59,70 | | Jul. 19 | 3,295 | 6,83 |
| | Oct. 27 | 41,945 | 58,95 | | Oct. 27 | 3,348 | 7,55 |
| | Dec. 66 | 41,887 | 58,19 | | Dec. 66 | 3,396 | 8,27 |
| 1833 | Jan. 0 | 20 35 43,947 | +44 41 11,03 | 1843 | Jan. 0 | 20 36 5,422 | +44 43 20,65 |
| | Apr. 10 | 43,892 | 10,29 | | Apr. 10 | 5,467 | 21,35 |
| | Jul. 19 | 43,842 | 9,57 | | Jul. 19 | 5,507 | 22,02 |
| | Oct. 27 | 43,797 | 8,86 | | Oct. 27 | 5,541 | 22,66 |
| | Dec. 66 | 43,757 | 8,18 | | Dec. 66 | 5,569 | 23,27 |
| 1834 | Jan. 0 | 20 35 45,811 | +44 41 21,00 | 1844 | Jan. 1 | 20 36 7,602 | +44 43 35,69 |
| | Apr. 10 | 45,775 | 20,34 | | Apr. 10 | 7,626 | 36,27 |
| | Jul. 19 | 45,745 | 19,73 | | Jul. 19 | 7,643 | 36,79 |
| | Oct. 27 | 45,721 | 19,15 | | Oct. 27 | 7,654 | 37,27 |
| | Dec. 66 | 45,703 | 18,62 | | Dec. 66 | 7,659 | 37,69 |
| 1835 | Jan. 0 | 20 35 47,750 | +44 41 31,39 | 1845 | Jan. 0 | 20 36 9,700 | +44 43 50,17 |
| | Apr. 10 | 47,736 | 30,90 | | Apr. 10 | 9,700 | 50,55 |
| | Jul. 19 | 47,729 | 30,46 | | Jul. 19 | 9,693 | 50,87 |
| | Oct. 27 | 47,729 | 30,08 | | Oct. 27 | 9,679 | 51,12 |
| | Dec. 66 | 47,735 | 29,75 | | Dec. 66 | 9,659 | 51,31 |
| 1836 | Jan. 1 | 20 35 49,774 | +44 41 42,45 | 1846 | Jan. 0 | 20 36 11,708 | +44 44 3,87 |
| | Apr. 10 | 49,783 | 42,17 | | Apr. 10 | 11,683 | 4,01 |
| | Jul. 19 | 49,799 | 41,95 | | Jul. 19 | 11,652 | 4,08 |
| | Oct. 27 | 49,821 | 41,80 | | Oct. 27 | 11,615 | 4,08 |
| | Dec. 66 | 49,850 | 41,71 | | Dec. 66 | 11,572 | 4,00 |
| 1837 | Jan. 0 | 20 35 51,881 | +44 41 54,34 | 1847 | Jan. 0 | 20 36 13,629 | +44 44 16,65 |
| | Apr. 10 | 51,914 | 54,29 | | Apr. 10 | 13,582 | 16,53 |
| | Jul. 19 | 51,951 | 54,31 | | Jul. 19 | 13,531 | 16,34 |
| | Oct. 27 | 51,994 | 54,40 | | Oct. 27 | 13,475 | 16,08 |
| | Dec. 66 | 52,041 | 54,56 | | Dec. 66 | 13,414 | 15,75 |
| 1838 | Jan. 0 | 20 35 54,066 | +44 42 7,10 | 1848 | Jan. 1 | 20 36 15,476 | +44 44 28,50 |
| | Apr. 10 | 54,117 | 7,30 | | Apr. 10 | 15,413 | 28,12 |
| | Jul. 19 | 54,171 | 7,56 | | Jul. 19 | 15,347 | 27,69 |
| | Oct. 27 | 54,229 | 7,88 | | Oct. 27 | 15,278 | 27,20 |
| | Dec. 66 | 54,291 | 8,27 | | Dec. 66 | 15,207 | 26,65 |
| 1839 | Jan. 0 | 20 35 56,312 | +44 42 20,74 | 1849 | Jan. 0 | 20 36 17,273 | +44 44 39,47 |
| | Apr. 10 | 56,376 | 21,16 | | Apr. 10 | 17,201 | 38,89 |
| | Jul. 19 | 56,441 | 21,62 | | Jul. 19 | 17,128 | 38,27 |
| | Oct. 27 | 56,508 | 22,14 | | Oct. 27 | 17,055 | 37,62 |
| | Dec. 66 | 56,577 | 22,71 | | Dec. 66 | 16,982 | 36,92 |

## Tabulae X. Sect. V. *α Cygni*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −1,604 | − 7,5 | + 6,59 | −26,5 | 0 | +2 |
| 10 | −1,655 | − 2,7 | + 3,82 | −28,5 | 0 | +3 |
| 20 | −1,657 | + 2,3 | + 0,90 | −29,5 | −1 | +3 |
| 30 | −1,610 | + 7,2 | − 2,08 | −29,4 | −1 | +3 |
| Febr. 9 | −1,513 | +12,2 | − 4,98 | −28,1 | −2 | +3 |
| 19 | −1,366 | +17,0 | − 7,69 | −25,7 | −2 | +2 |
| Mart. 1 | −1,173 | +21,5 | −10,11 | −22,3 | −2 | +2 |
| 11 | −0,936 | +25,7 | −12,14 | −17,9 | −3 | +2 |
| 21 | −0,660 | +29,3 | −13,68 | −12,8 | −3 | +1 |
| 31 | −0,350 | +32,4 | −14,69 | − 7,3 | −3 | +1 |
| Apr. 10 | −0,013 | +34,7 | −15,13 | − 1,4 | −3 | +1 |
| 20 | +0,344 | +36,2 | −14,97 | + 4,5 | −3 | 0 |
| 30 | +0,711 | +36,9 | −14,23 | +10,2 | −2 | 0 |
| Maj. 10 | +1,081 | +36,7 | −12,94 | +15,5 | −2 | 0 |
| 20 | +1,444 | +35,5 | −11,14 | +20,3 | −2 | −1 |
| 30 | +1,790 | +33,4 | − 8,89 | +24,4 | −1 | −1 |
| Jun. 9 | +2,111 | +30,4 | − 6,27 | +27,7 | −1 | −1 |
| 19 | +2,397 | +26,6 | − 3,35 | +30,3 | −1 | −1 |
| 29 | +2,642 | +22,1 | − 0,21 | +32,1 | 0 | −1 |
| Jul. 9 | +2,838 | +17,0 | + 3,06 | +33,0 | 0 | −1 |
| 19 | +2,982 | +11,6 | + 6,38 | +33,1 | +1 | −1 |
| 29 | +3,070 | + 5,9 | + 9,67 | +32,5 | +1 | −1 |
| Aug. 8 | +3,100 | + 0,2 | +12,87 | +31,2 | +1 | −1 |
| 18 | +3,073 | − 5,4 | +15,90 | +29,2 | +2 | 0 |
| 28 | +2,993 | −10,6 | +18,70 | +26,7 | +2 | 0 |
| Sept. 7 | +2,862 | −15,3 | +21,23 | +23,6 | +2 | 0 |
| 17 | +2,688 | −19,2 | +23,41 | +20,0 | +3 | +1 |
| 27 | +2,478 | −22,4 | +25,23 | +16,1 | +3 | +1 |
| Oct. 7 | +2,240 | −24,7 | +26,62 | +11,7 | +3 | +1 |
| 17 | +1,985 | −25,9 | +27,57 | + 7,2 | +3 | +2 |
| 27 | +1,722 | −26,2 | +28,05 | + 2,3 | +3 | +2 |
| Nov. 6 | +1,461 | −25,5 | +28,03 | − 2,7 | +3 | +3 |
| 16 | +1,213 | −23,9 | +27,52 | − 7,6 | +3 | +3 |
| 26 | +0,984 | −21,5 | +26,51 | −12,5 | +2 | +4 |
| Dec. 6 | +0,784 | −18,3 | +25,03 | −17,0 | +2 | +4 |
| 16 | +0,618 | −14,6 | +23,11 | −21,2 | +2 | +4 |
| 26 | +0,493 | −10,3 | +20,80 | −24,7 | +1 | +5 |
| 36 | +0,413 | − 5,7 | +18,18 | −27,4 | +1 | +5 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 20 35 38,2943 | +44 40 34,209 |
| 1831 | 35 40,3356 | 40 46,795 |
| 1832 | 35 42,3770 | 40 59,384 |
| 1833 | 35 44,4184 | 41 11,975 |
| 1834 | 35 46,4598 | 41 24,568 |
| 1835 | 35 48,5012 | 41 37,164 |
| 1836 | 35 50,5427 | 41 49,762 |
| 1837 | 35 52,5842 | 42 2,362 |
| 1838 | 35 54,6257 | 42 14,964 |
| 1839 | 35 56,6672 | 42 27,568 |
| 1840 | 35 58,7087 | 42 40,175 |
| 1841 | 36 0,7503 | 42 52,784 |
| 1842 | 36 2,7919 | 43 5,395 |
| 1843 | 36 4,8335 | 43 18,009 |
| 1844 | 36 6,8751 | 43 30,625 |
| 1845 | 36 8,9168 | 43 43,243 |
| 1846 | 36 10,9585 | 43 55,863 |
| 1847 | 36 13,0002 | 44 8,486 |
| 1848 | 36 15,0419 | 44 21,111 |
| 1849 | 36 17,0837 | 44 33,738 |
| 1850 | 36 19,1255 | 44 46,368 |

Diei reducto addendum est:

ante } Jan. 26 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Aquarii.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 21 57 2,861 | — 1 8 29,53 | 1840 | Jan. 1 | 21 57 34,193 | — 1 5 43,40 |
| | Apr. 10 | 2,764 | 30,14 | | Apr. 10 | 34,279 | 42,76 |
| | Jul. 19 | 2,671 | 30,77 | | Jul. 19 | 34,360 | 42,11 |
| | Oct. 27 | 2,581 | 31,42 | | Oct. 27 | 34,438 | 41,45 |
| | Dec. 66 | 2,494 | 32,10 | | Dec. 66 | 34,511 | 40,78 |
| 1831 | Jan. 0 | 21 57 5,606 | — 1 8 14,66 | 1841 | Jan. 0 | 21 57 37,570 | — 1 5 23,77 |
| | Apr. 10 | 5,522 | 15,34 | | Apr. 10 | 37,640 | 23,10 |
| | Jul. 19 | 5,444 | 16,03 | | Jul. 19 | 37,703 | 22,44 |
| | Oct. 27 | 5,371 | 16,71 | | Oct. 27 | 37,760 | 21,79 |
| | Dec. 66 | 5,304 | 17,40 | | Dec. 66 | 37,810 | 21,15 |
| 1832 | Jan. 1 | 21 57 8,409 | — 1 7 59,95 | 1842 | Jan. 0 | 21 57 40,877 | — 1 5 4,12 |
| | Apr. 10 | 8,347 | 8 0,63 | | Apr. 10 | 40,922 | 3,50 |
| | Jul. 19 | 8,292 | 1,28 | | Jul. 19 | 40,960 | 2,90 |
| | Oct. 27 | 8,245 | 1,92 | | Oct. 27 | 40,990 | 2,34 |
| | Dec. 66 | 8,206 | 2,53 | | Dec. 66 | 41,012 | 1,80 |
| 1833 | Jan. 0 | 21 57 11,302 | — 1 7 45,10 | 1843 | Jan. 0 | 21 57 44,089 | — 1 4 44,73 |
| | Apr. 10 | 11,268 | 45,69 | | Apr. 10 | 44,105 | 44,22 |
| | Jul. 19 | 11,243 | 46,24 | | Jul. 19 | 44,112 | 43,75 |
| | Oct. 27 | 11,227 | 46,75 | | Oct. 27 | 44,110 | 43,34 |
| | Dec. 66 | 11,219 | 47,22 | | Dec. 66 | 44,100 | 42,97 |
| 1834 | Jan. 0 | 21 57 14,304 | — 1 7 29,85 | 1844 | Jan. 1 | 21 57 47,188 | — 1 4 25,83 |
| | Apr. 10 | 14,302 | 30,29 | | Apr. 10 | 47,172 | 25,50 |
| | Jul. 19 | 14,309 | 30,67 | | Jul. 19 | 47,147 | 25,23 |
| | Oct. 27 | 14,325 | 31,00 | | Oct. 27 | 47,114 | 25,01 |
| | Dec. 66 | 14,349 | 31,28 | | Dec. 66 | 47,073 | 24,85 |
| 1835 | Jan. 0 | 21 57 17,423 | — 1 7 13,97 | 1845 | Jan. 0 | 21 57 50,171 | — 1 4 7,65 |
| | Apr. 10 | 17,453 | 14,21 | | Apr. 10 | 50,124 | 7,54 |
| | Jul. 19 | 17,490 | 14,39 | | Jul. 19 | 50,069 | 7,48 |
| | Oct. 27 | 17,535 | 14,51 | | Oct. 27 | 50,008 | 7,49 |
| | Dec. 66 | 17,588 | 14,57 | | Dec. 66 | 49,939 | 7,57 |
| 1836 | Jan. 1 | 21 57 20,653 | — 1 6 57,33 | 1846 | Jan. 0 | 21 57 53,046 | — 1 3 50,29 |
| | Apr. 10 | 20,710 | 57,35 | | Apr. 10 | 52,974 | 50,40 |
| | Jul. 19 | 20,773 | 57,31 | | Jul. 19 | 52,895 | 50,59 |
| | Oct. 27 | 20,842 | 57,21 | | Oct. 27 | 52,812 | 50,83 |
| | Dec. 66 | 20,916 | 57,06 | | Dec. 66 | 52,723 | 51,14 |
| 1837 | Jan. 0 | 21 57 23,974 | — 1 6 39,88 | 1847 | Jan. 0 | 21 57 55,836 | — 1 3 33,77 |
| | Apr. 10 | 24,052 | 39,68 | | Apr. 10 | 55,745 | 34,11 |
| | Jul. 19 | 24,133 | 39,43 | | Jul. 19 | 55,652 | 34,51 |
| | Oct. 27 | 24,218 | 39,13 | | Oct. 27 | 55,557 | 34,96 |
| | Dec. 66 | 24,307 | 38,77 | | Dec. 66 | 55,460 | 35,46 |
| 1838 | Jan. 0 | 21 57 27,360 | — 1 6 21,66 | 1848 | Jan. 1 | 21 57 58,576 | — 1 3 18,03 |
| | Apr. 10 | 27,450 | 21,27 | | Apr. 10 | 58,478 | 18,56 |
| | Jul. 19 | 27,541 | 20,83 | | Jul. 19 | 58,381 | 19,12 |
| | Oct. 27 | 27,633 | 20,36 | | Oct. 27 | 58,285 | 19,72 |
| | Dec. 66 | 27,726 | 19,84 | | Dec. 66 | 58,191 | 20,35 |
| 1839 | Jan. 0 | 21 57 30,778 | — 1 6 2,78 | 1849 | Jan. 0 | 21 58 1,305 | — 1 3 2,88 |
| | Apr. 10 | 30,871 | 2,24 | | Apr. 10 | 1,213 | 3,53 |
| | Jul. 19 | 30,962 | 1,68 | | Jul. 19 | 1,124 | 4,19 |
| | Oct. 27 | 31,051 | 1,07 | | Oct. 27 | 1,040 | 4,87 |
| | Dec. 66 | 31,139 | 0,43 | | Dec. 66 | 0,959 | 5,56 |

## Tabulae X. Sect. V. *a Aquarii.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | —0,835 | — 5,3 | — 1,27 | — 7,8 | +2 | +1 | 1830 | 21 57 2,9993 | — 1 8 33,410 |
| 10 | —0,877 | — 2,9 | — 2,05 | — 7,6 | +2 | +1 | 1831 | 57 6,0828 | 8 16,190 |
| 20 | —0,892 | — 0,2 | — 2,79 | — 7,1 | +2 | +1 | 1832 | 57 9,1663 | 7 58,969 |
| 30 | —0,881 | + 2,5 | — 3,46 | — 6,2 | +1 | +1 | 1833 | 57 12,2497 | 7 41,745 |
| Febr. 9 | —0,842 | + 5,4 | — 4,03 | — 4,9 | 0 | +1 | 1834 | 57 15,3331 | 7 24,518 |
| | | | | | | | 1835 | 57 18,4164 | 7 7,290 |
| 19 | —0,774 | + 8,3 | — 4,44 | — 3,2 | 0 | 0 | 1836 | 57 21,4997 | 6 50,059 |
| Mart. 1 | —0,676 | +11,4 | — 4,67 | — 1,1 | —1 | 0 | 1837 | 57 24,5830 | 6 32,826 |
| 11 | —0,546 | +14,6 | — 4,66 | + 1,3 | —1 | 0 | 1838 | 57 27,6662 | 6 15,591 |
| 21 | —0,385 | +17,7 | — 4,41 | + 3,9 | —2 | 0 | 1839 | 57 30,7494 | 5 58,353 |
| 31 | —0,193 | +20,7 | — 3,88 | + 6,7 | —2 | 0 | 1840 | 57 33,8325 | 5 41,113 |
| | | | | | | | 1841 | 57 36,9156 | 5 23,871 |
| Apr. 10 | +0,029 | +23,6 | — 3,08 | + 9,4 | —2 | —1 | 1842 | 57 39,9986 | 5 6,627 |
| 20 | +0,278 | +26,1 | — 2,01 | +12,0 | —3 | —1 | 1843 | 57 43,0816 | 4 49,380 |
| 30 | +0,551 | +28,3 | — 0,69 | +14,3 | —3 | —1 | 1844 | 57 46,1646 | 4 32,131 |
| Maj. 10 | +0,843 | +29,9 | + 0,85 | +16,3 | —3 | —1 | 1845 | 57 49,2475 | 4 14,880 |
| 20 | +1,148 | +30,8 | + 2,56 | +17,8 | —3 | —1 | 1846 | 57 52,3304 | 3 57,626 |
| | | | | | | | 1847 | 57 55,4132 | 3 40,371 |
| 30 | +1,459 | +31,0 | + 4,41 | +18,9 | —3 | —1 | 1848 | 57 58,4960 | 3 23,112 |
| Jun. 9 | +1,768 | +30,5 | + 6,33 | +19,4 | —3 | —1 | 1849 | 58 1,5787 | 3 5,852 |
| 19 | +2,068 | +29,2 | + 8,28 | +19,3 | —3 | 0 | 1850 | 58 4,6614 | 2 48,590 |
| 29 | +2,351 | +27,1 | +10,19 | +18,8 | —2 | 0 | | | |
| Jul. 9 | +2,610 | +24,3 | +12,03 | +17,8 | —2 | 0 | | | |
| 19 | +2,837 | +20,9 | +13,74 | +16,3 | —2 | 0 | | | |
| 29 | +3,027 | +17,0 | +15,29 | +14,6 | —1 | +1 | | | |
| Aug. 8 | +3,177 | +12,8 | +16,65 | +12,6 | —1 | +1 | | | |
| 18 | +3,283 | + 8,4 | +17,80 | +10,4 | —1 | +1 | | | |
| 28 | +3,344 | + 4,0 | +18,73 | + 8,2 | 0 | +2 | | | |
| Sept. 7 | +3,363 | — 0,1 | +19,44 | + 6,0 | 0 | +2 | | | |
| 17 | +3,342 | — 3,9 | +19,92 | + 3,9 | +1 | +2 | | | |
| 27 | +3,285 | — 7,2 | +20,21 | + 1,9 | +1 | +3 | | | |
| Oct. 7 | +3,199 | — 9,8 | +20,30 | + 0,1 | +2 | +3 | | | |
| 17 | +3,090 | —11,7 | +20,23 | — 1,5 | +2 | +3 | | | |
| 27 | +2,966 | —12,8 | +20,00 | — 3,0 | +2 | +3 | | | |
| Nov. 6 | +2,834 | —13,2 | +19,64 | — 4,2 | +3 | +3 | | | |
| 16 | +2,702 | —12,9 | +19,16 | — 5,3 | +3 | +4 | | | |
| 26 | +2,576 | —12,0 | +18,59 | — 6,2 | +3 | +4 | | | |
| Dec. 6 | +2,462 | —10,6 | +17,93 | — 6,9 | +3 | +4 | | | |
| 16 | +2,364 | — 8,9 | +17,21 | — 7,4 | +2 | +4 | | | |
| 26 | +2,285 | — 6,8 | +16,45 | — 7,7 | +2 | +4 | | | |
| 36 | +2,229 | — 4,4 | +15,67 | — 7,8 | +2 | +3 | | | |

Diei reducto addendum est:

ante } Febr. 15 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Piscis austrini.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 22h 48′ 14″,036 | —30° 31′ 18″,27 | 1840 | Jan. 1 | 22h 48′ 48″,580 | —30° 28′ 12″,04 |
| | Apr. 10 | 13,938 | 18,91 | | Apr. 10 | 48,660 | 11,41 |
| | Jul. 19 | 13,846 | 19,55 | | Jul. 19 | 48,734 | 10,79 |
| | Oct. 27 | 13,760 | 20,20 | | Oct. 27 | 48,801 | 10,17 |
| | Dec. 66 | 13,680 | 20,85 | | Dec. 66 | 48,862 | 9,56 |
| 1831 | Jan. 0 | 22 48 17,045 | —30 31 1,78 | 1841 | Jan. 0 | 22 48 52,179 | —30 27 50,90 |
| | Apr. 10 | 16,969 | 2,43 | | Apr. 10 | 52,234 | 50,30 |
| | Jul. 19 | 16,902 | 3,06 | | Jul. 19 | 52,280 | 49,72 |
| | Oct. 27 | 16,844 | 3,68 | | Oct. 27 | 52,318 | 49,17 |
| | Dec. 66 | 16,794 | 4,29 | | Dec. 66 | 52,347 | 48,64 |
| 1832 | Jan. 1 | 22 48 20,148 | —30 30 45,24 | 1842 | Jan. 0 | 22 48 55,675 | —30 27 29,95 |
| | Apr. 10 | 20,105 | 45,82 | | Apr. 10 | 55,698 | 29,44 |
| | Jul. 19 | 20,070 | 46,37 | | Jul. 19 | 55,712 | 28,97 |
| | Oct. 27 | 20,044 | 46,89 | | Oct. 27 | 55,716 | 28,55 |
| | Dec. 66 | 20,027 | 47,37 | | Dec. 66 | 55,710 | 28,16 |
| 1833 | Jan. 0 | 22 48 23,370 | —30 30 28,36 | 1843 | Jan. 0 | 22 48 59,049 | —30 27 9,42 |
| | Apr. 10 | 23,364 | 28,81 | | Apr. 10 | 59,037 | 9,06 |
| | Jul. 19 | 23,367 | 29,21 | | Jul. 19 | 59,015 | 8,76 |
| | Oct. 27 | 23,379 | 29,57 | | Oct. 27 | 58,983 | 8,51 |
| | Dec. 66 | 23,401 | 29,88 | | Dec. 66 | 58,943 | 8,32 |
| 1834 | Jan. 0 | 22 48 26,731 | —30 30 10,94 | 1844 | Jan. 1 | 22 49 2,294 | —30 26 49,51 |
| | Apr. 10 | 26,759 | 11,20 | | Apr. 10 | 2,247 | 49,35 |
| | Jul. 19 | 26,796 | 11,41 | | Jul. 19 | 2,192 | 49,25 |
| | Oct. 27 | 26,842 | 11,57 | | Oct. 27 | 2,128 | 49,21 |
| | Dec. 66 | 26,897 | 11,67 | | Dec. 66 | 2,056 | 49,23 |
| 1835 | Jan. 0 | 22 48 30,216 | —30 29 52,79 | 1845 | Jan. 0 | 22 49 5,417 | —30 26 30,35 |
| | Apr. 10 | 30,277 | 52,85 | | Apr. 10 | 5,340 | 30,41 |
| | Jul. 19 | 30,344 | 52,86 | | Jul. 19 | 5,257 | 30,53 |
| | Oct. 27 | 30,418 | 52,81 | | Oct. 27 | 5,168 | 30,71 |
| | Dec. 66 | 30,499 | 52,70 | | Dec. 66 | 5,072 | 30,95 |
| 1836 | Jan. 1 | 22 48 33,809 | —30 29 33,88 | 1846 | Jan. 0 | 22 49 8,441 | —30 26 11,99 |
| | Apr. 10 | 33,894 | 33,74 | | Apr. 10 | 8,342 | 12,26 |
| | Jul. 19 | 33,984 | 33,54 | | Jul. 19 | 8,240 | 12,59 |
| | Oct. 27 | 34,078 | 33,29 | | Oct. 27 | 8,135 | 12,97 |
| | Dec. 66 | 34,177 | 32,98 | | Dec. 66 | 8,028 | 13,41 |
| 1837 | Jan. 0 | 22 48 37,481 | —30 29 14,23 | 1847 | Jan. 0 | 22 49 11,399 | —30 25 54,38 |
| | Apr. 10 | 37,581 | 13,89 | | Apr. 10 | 11,290 | 54,84 |
| | Jul. 19 | 37,683 | 13,51 | | Jul. 19 | 11,182 | 55,34 |
| | Oct. 27 | 37,786 | 13,09 | | Oct. 27 | 11,074 | 55,88 |
| | Dec. 66 | 37,891 | 12,62 | | Dec. 66 | 10,967 | 56,45 |
| 1838 | Jan. 0 | 22 48 41,193 | —30 28 53,92 | 1848 | Jan. 1 | 22 49 14,338 | —30 25 37,38 |
| | Apr. 10 | 41,298 | 53,43 | | Apr. 10 | 14,234 | 37,97 |
| | Jul. 19 | 41,401 | 52,91 | | Jul. 19 | 14,132 | 38,58 |
| | Oct. 27 | 41,502 | 52,36 | | Oct. 27 | 14,033 | 39,21 |
| | Dec. 66 | 41,602 | 51,79 | | Dec. 66 | 13,937 | 39,86 |
| 1839 | Jan. 0 | 22 48 44,906 | —30 28 33,13 | 1849 | Jan. 0 | 22 49 17,303 | —30 25 20,77 |
| | Apr. 10 | 45,004 | 32,53 | | Apr. 10 | 17,213 | 21,42 |
| | Jul. 19 | 45,097 | 31,93 | | Jul. 19 | 17,130 | 22,07 |
| | Oct. 27 | 45,186 | 31,32 | | Oct. 27 | 17,053 | 22,72 |
| | Dec. 66 | 45,270 | 30,69 | | Dec. 66 | 16,983 | 23,36 |

## Tabulae X. Sect. V. *a Piscis austrini.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,701 | −10,1 | − 9,99 | + 2,6 | +4 | 0 |
| 10 | −0,791 | − 7,9 | − 9,59 | + 5,4 | +4 | 0 |
| 20 | −0,857 | − 5,3 | − 8,92 | + 8,0 | +3 | −1 |
| 30 | −0,896 | − 2,5 | − 7,99 | +10,6 | +3 | −1 |
| Febr. 9 | −0,906 | + 0,6 | − 6,81 | +13,0 | +2 | −2 |
| 19 | −0,885 | + 3,8 | − 5,40 | +15,2 | +1 | −2 |
| Mart. 1 | −0,830 | + 7,3 | − 3,78 | +17,1 | +1 | −2 |
| 11 | −0,740 | +10,9 | − 1,98 | +18,9 | 0 | −2 |
| 21 | −0,612 | +14,6 | − 0,01 | +20,4 | −1 | −3 |
| 31 | −0,448 | +18,4 | + 2,09 | +21,5 | −2 | −3 |
| Apr. 10 | −0,245 | +22,2 | + 4,28 | +22,2 | −2 | −3 |
| 20 | −0,005 | +25,7 | + 6,53 | +22,6 | −3 | −2 |
| 30 | +0,268 | +28,8 | + 8,80 | +22,5 | −3 | −2 |
| Maj. 10 | +0,570 | +31,4 | +11,02 | +21,8 | −4 | −2 |
| 20 | +0,896 | +33,5 | +13,15 | +20,7 | −4 | −2 |
| 30 | +1,240 | +34,8 | +15,15 | +19,0 | −4 | −1 |
| Jun. 9 | +1,592 | +35,3 | +16,95 | +16,8 | −5 | −1 |
| 19 | +1,945 | +34,9 | +18,51 | +14,2 | −5 | 0 |
| 29 | +2,289 | +33,5 | +19,79 | +11,3 | −5 | 0 |
| Jul. 9 | +2,615 | +31,3 | +20,76 | + 8,0 | −5 | +1 |
| 19 | +2,915 | +28,3 | +21,39 | + 4,6 | −4 | +1 |
| 29 | +3,180 | +24,5 | +21,68 | + 1,2 | −4 | +2 |
| Aug. 8 | +3,404 | +20,1 | +21,62 | − 2,3 | −4 | +3 |
| 18 | +3,582 | +15,4 | +21,23 | − 5,5 | −3 | +3 |
| 28 | +3,712 | +10,5 | +20,53 | − 8,2 | −3 | +3 |
| Sept. 7 | +3,791 | + 5,5 | +19,59 | −10,6 | −2 | +4 |
| 17 | +3,822 | + 0,8 | +18,42 | −12,4 | −2 | +4 |
| 27 | +3,807 | − 3,6 | +17,12 | −13,5 | −1 | +4 |
| Oct. 7 | +3,751 | − 7,3 | +15,72 | −14,0 | 0 | +4 |
| 17 | +3,661 | −10,4 | +14,32 | −13,8 | 0 | +4 |
| 27 | +3,544 | −12,7 | +12,96 | −13,0 | +1 | +4 |
| Nov. 6 | +3,407 | −14,2 | +11,72 | −11,6 | +1 | +4 |
| 16 | +3,260 | −14,9 | +10,65 | − 9,7 | +2 | +4 |
| 26 | +3,109 | −14,9 | + 9,79 | − 7,4 | +2 | +3 |
| Dec. 6 | +2,963 | −14,2 | + 9,17 | − 4,8 | +2 | +3 |
| 16 | +2,825 | −13,0 | + 8,83 | − 2,0 | +2 | +2 |
| 26 | +2,703 | −11,3 | + 8,77 | + 0,8 | +2 | +2 |
| 36 | +2,600 | − 9,3 | + 8,99 | + 3,6 | +2 | +1 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 22 48 14,5102 | −30 31 20,242 |
| 1831 | 48 17,8492 | 31 1,390 |
| 1832 | 48 21,1880 | 30 42,536 |
| 1833 | 48 24,5266 | 30 23,681 |
| 1834 | 48 27,8650 | 30 4,824 |
| 1835 | 48 31,2031 | 29 45,966 |
| 1836 | 48 34,5410 | 29 27,107 |
| 1837 | 48 37,8787 | 29 8,246 |
| 1838 | 48 41,2162 | 28 49,383 |
| 1839 | 48 44,5535 | 28 30,519 |
| 1840 | 48 47,8905 | 28 11,654 |
| 1841 | 48 51,2273 | 27 52,787 |
| 1842 | 48 54,5639 | 27 33,918 |
| 1843 | 48 57,9003 | 27 15,048 |
| 1844 | 49 1,2365 | 26 56,177 |
| 1845 | 49 4,5725 | 26 37,304 |
| 1846 | 49 7,9082 | 26 18,430 |
| 1847 | 49 11,2437 | 25 59,554 |
| 1848 | 49 14,5790 | 25 40,676 |
| 1849 | 49 17,9141 | 25 21,797 |
| 1850 | 49 21,2490 | 25 2,917 |

Diei reducto addendum est:

ante } Febr. 28 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Pegasi.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 22 56 17,903 | +14 17 33,36 | 1840 | Jan. 1 | 22 56 47,899 | +14 20 44,37 |
| | Apr. 10 | 17,808 | 32,72 | | Apr. 10 | 47,988 | 44,99 |
| | Jul. 19 | 17,714 | 32,08 | | Jul. 19 | 48,073 | 45,61 |
| | Oct. 27 | 17,622 | 31,44 | | Oct. 27 | 48,156 | 46,22 |
| | Dec. 66 | 17,531 | 30,78 | | Dec. 66 | 48,235 | 46,82 |
| 1831 | Jan. 0 | 22 56 20,543 | +14 17 50,27 | 1841 | Jan. 0 | 22 56 51,191 | +14 21 5,90 |
| | Apr. 10 | 20,454 | 49,63 | | Apr. 10 | 51,268 | 6,48 |
| | Jul. 19 | 20,370 | 49,01 | | Jul. 19 | 51,339 | 7,04 |
| | Oct. 27 | 20,290 | 48,40 | | Oct. 27 | 51,405 | 7,57 |
| | Dec. 66 | 20,215 | 47,81 | | Dec. 66 | 51,466 | 8,09 |
| 1832 | Jan. 1 | 22 56 23,221 | +14 18 7,28 | 1842 | Jan. 0 | 22 56 54,428 | +14 21 27,20 |
| | Apr. 10 | 23,150 | 6,71 | | Apr. 10 | 54,485 | 27,69 |
| | Jul. 19 | 23,085 | 6,18 | | Jul. 19 | 54,534 | 28,13 |
| | Oct. 27 | 23,027 | 5,69 | | Oct. 27 | 54,576 | 28,53 |
| | Dec. 66 | 22,976 | 5,23 | | Dec. 66 | 54,611 | 28,89 |
| 1833 | Jan. 0 | 22 56 25,974 | +14 18 24,65 | 1843 | Jan. 0 | 22 56 57,583 | +14 21 48,06 |
| | Apr. 10 | 25,927 | 24,22 | | Apr. 10 | 57,613 | 48,39 |
| | Jul. 19 | 25,889 | 23,84 | | Jul. 19 | 57,634 | 48,66 |
| | Oct. 27 | 25,859 | 23,51 | | Oct. 27 | 57,647 | 48,88 |
| | Dec. 66 | 25,838 | 23,23 | | Dec. 66 | 57,652 | 49,05 |
| 1834 | Jan. 0 | 22 56 28,826 | +14 18 42,59 | 1844 | Jan. 1 | 22 57 0,633 | +14 22 8,29 |
| | Apr. 10 | 28,810 | 42,35 | | Apr. 10 | 0,632 | 8,42 |
| | Jul. 19 | 28,802 | 42,16 | | Jul. 19 | 0,622 | 8,49 |
| | Oct. 27 | 28,803 | 42,03 | | Oct. 27 | 0,604 | 8,50 |
| | Dec. 66 | 28,813 | 41,95 | | Dec. 66 | 0,577 | 8,45 |
| 1835 | Jan. 0 | 22 56 31,790 | +14 19 1,25 | 1845 | Jan. 0 | 22 57 3,569 | +14 22 27,76 |
| | Apr. 10 | 31,805 | 1,21 | | Apr. 10 | 3,536 | 27,67 |
| | Jul. 19 | 31,828 | 1,23 | | Jul. 19 | 3,496 | 27,52 |
| | Oct. 27 | 31,859 | 1,31 | | Oct. 27 | 3,448 | 27,31 |
| | Dec. 66 | 31,898 | 1,44 | | Dec. 66 | 3,392 | 27,05 |
| 1836 | Jan. 1 | 22 56 34,866 | +14 19 20,67 | 1846 | Jan. 0 | 22 57 6,394 | +14 22 46,44 |
| | Apr. 10 | 34,910 | 20,84 | | Apr. 10 | 6,334 | 46,14 |
| | Jul. 19 | 34,960 | 21,07 | | Jul. 19 | 6,267 | 45,79 |
| | Oct. 27 | 35,017 | 21,34 | | Oct. 27 | 6,194 | 45,38 |
| | Dec. 66 | 35,080 | 21,67 | | Dec. 66 | 6,115 | 44,92 |
| 1837 | Jan. 0 | 22 56 38,040 | +14 19 40,83 | 1847 | Jan. 0 | 22 57 9,124 | +14 23 4,37 |
| | Apr. 10 | 38,107 | 41,18 | | Apr. 10 | 9,042 | 3,90 |
| | Jul. 19 | 38,179 | 41,58 | | Jul. 19 | 8,957 | 3,39 |
| | Oct. 27 | 38,255 | 42,02 | | Oct. 27 | 8,868 | 2,84 |
| | Dec. 66 | 38,336 | 42,50 | | Dec. 66 | 8,775 | 2,26 |
| 1838 | Jan. 0 | 22 56 41,290 | +14 20 1,62 | 1848 | Jan. 1 | 22 57 11,789 | +14 23 21,75 |
| | Apr. 10 | 41,374 | 2,12 | | Apr. 10 | 11,695 | 21,15 |
| | Jul. 19 | 41,459 | 2,65 | | Jul. 19 | 11,601 | 20,53 |
| | Oct. 27 | 41,547 | 3,20 | | Oct. 27 | 11,507 | 19,90 |
| | Dec. 66 | 41,636 | 3,78 | | Dec. 66 | 11,412 | 19,25 |
| 1839 | Jan. 0 | 22 56 44,588 | +14 20 22,87 | 1849 | Jan. 0 | 22 57 14,426 | +14 23 38,76 |
| | Apr. 10 | 44,678 | 23,46 | | Apr. 10 | 14,332 | 38,11 |
| | Jul. 19 | 44,768 | 24,06 | | Jul. 19 | 14,240 | 37,46 |
| | Oct. 27 | 44,858 | 24,68 | | Oct. 27 | 14,152 | 36,82 |
| | Dec. 66 | 44,947 | 25,30 | | Dec. 66 | 14,066 | 36,19 |

## Tabulae X. Sect. V. *α Pegasi.*

| | 1840 | | 1840 | | Var. 10 annor. | | | A. R. med. | Decl. med. |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | | ″ | | | | | h ′ ″ | ° ′ ″ |
| Jan. 0 | −0,553 | − 9,6 | + 3,49 | −10,6 | +3 | +2 | 1830 | 22 56 17,8797 | +14 17 31,692 |
| 10 | −0,642 | − 8,0 | + 2,37 | −11,7 | +2 | +2 | 1831 | 56 20,8612 | 17 50,963 |
| 20 | −0,713 | − 6,1 | + 1,15 | −12,5 | +2 | +2 | 1832 | 56 23,8427 | 18 10,235 |
| 30 | −0,764 | − 3,9 | − 0,12 | −12,7 | +2 | +2 | 1833 | 56 26,8243 | 18 29,508 |
| Febr. 9 | −0,790 | − 1,2 | − 1,38 | −12,2 | +1 | +2 | 1834 | 56 29,8059 | 18 48,782 |
| | | | | | | | 1835 | 56 32,7876 | 19 8,057 |
| 19 | −0,788 | + 1,8 | − 2,56 | −11,2 | +1 | +2 | 1836 | 56 35,7693 | 19 27,334 |
| Mart. 1 | −0,755 | + 5,0 | − 3,61 | − 9,6 | 0 | +2 | 1837 | 56 38,7511 | 19 46,611 |
| 11 | −0,688 | + 8,6 | − 4,47 | − 7,3 | −1 | +1 | 1838 | 56 41,7329 | 20 5,890 |
| 21 | −0,584 | +12,3 | − 5,07 | − 4,6 | −1 | +1 | 1839 | 56 44,7148 | 20 25,170 |
| 31 | −0,443 | +16,0 | − 5,38 | − 1,5 | −1 | +1 | 1840 | 56 47,6968 | 20 44,451 |
| | | | | | | | 1841 | 56 50,6788 | 21 3,733 |
| Apr. 10 | −0,264 | +19,7 | − 5,36 | + 2,0 | −2 | 0 | 1842 | 56 53,6609 | 21 23,017 |
| 20 | −0,050 | +23,1 | − 4,99 | + 5,5 | −2 | 0 | 1843 | 56 56,6430 | 21 42,301 |
| 30 | +0,197 | +26,1 | − 4,26 | + 9,0 | −2 | 0 | 1844 | 56 59,6252 | 22 1,587 |
| Maj. 10 | +0,472 | +28,6 | − 3,19 | +12,3 | −3 | −1 | 1845 | 57 2,6073 | 22 20,874 |
| 20 | +0,769 | +30,5 | − 1,80 | +15,4 | −3 | −1 | 1846 | 57 5,5896 | 22 40,162 |
| | | | | | | | 1847 | 57 8,5719 | 22 59,451 |
| 30 | +1,081 | +31,6 | − 0,12 | +18,0 | −3 | −1 | 1848 | 57 11,5543 | 23 18,742 |
| Jun. 9 | +1,401 | +31,9 | + 1,79 | +20,1 | −3 | −1 | 1849 | 57 14,5367 | 23 38,033 |
| 19 | +1,719 | +31,3 | + 3,89 | +21,6 | −2 | −2 | 1850 | 57 17,5192 | 23 57,326 |
| 29 | +2,027 | +29,9 | + 6,11 | +22,6 | −2 | −2 | | | |
| Jul. 9 | +2,317 | +27,8 | + 8,41 | +23,1 | −2 | −2 | | | |
| 19 | +2,583 | +25,0 | +10,72 | +23,0 | −2 | −1 | | | |
| 29 | +2,816 | +21,5 | +12,98 | +22,3 | −1 | −1 | | | |
| Aug. 8 | +3,013 | +17,7 | +15,15 | +21,0 | −1 | −1 | | | |
| 18 | +3,170 | +13,6 | +17,18 | +19,5 | 0 | −1 | | | |
| 28 | +3,285 | + 9,4 | +19,05 | +17,7 | 0 | −1 | | | |
| Sept. 7 | +3,357 | + 5,2 | +20,71 | +15,5 | +1 | 0 | | | |
| 17 | +3,389 | + 1,4 | +22,15 | +13,3 | +1 | 0 | | | |
| 27 | +3,384 | − 2,2 | +23,36 | +10,9 | +2 | 0 | | | |
| Oct. 7 | +3,345 | − 5,4 | +24,32 | + 8,4 | +2 | +1 | | | |
| 17 | +3,277 | − 7,9 | +25,03 | + 5,9 | +3 | +1 | | | |
| 27 | +3,187 | − 9,8 | +25,50 | + 3,5 | +3 | +2 | | | |
| Nov. 6 | +3,081 | −11,2 | +25,72 | + 1,0 | +3 | +2 | | | |
| 16 | +2,964 | −12,0 | +25,70 | − 1,4 | +3 | +2 | | | |
| 26 | +2,842 | −12,2 | +25,44 | − 3,6 | +4 | +3 | | | |
| Dec. 6 | +2,720 | −12,0 | +24,97 | − 5,7 | +4 | +3 | | | |
| 16 | +2,602 | −11,4 | +24,28 | − 7,9 | +4 | +3 | | | |
| 26 | +2,492 | −10,4 | +23,40 | − 9,6 | +3 | +3 | | | |
| 36 | +2,394 | − 9,1 | +22,36 | −11,0 | +3 | +3 | | | |

Diei reducto addendum est:

ante } Mart. 3 { 0
post } { + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *α Andromedae.*

| | | h ′ ″ | ° ′ ″ | | | h ′ ″ | ° ′ ″ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 23 59 37,099 | +28 9 4,83 | 1840 | Jan. 1 | 0 0 7,753 | +28 12 26,99 |
| | Apr. 10 | 36,998 | 4,21 | | Apr. 10 | 7,850 | 27,55 |
| | Jul. 19 | 36,897 | 3,60 | | Jul. 19 | 7,945 | 28,08 |
| | Oct. 27 | 36,796 | 3,02 | | Oct. 27 | 8,038 | 28,58 |
| | Dec. 66 | 36,696 | 2,45 | | Dec. 66 | 8,130 | 29,06 |
| 1831 | Jan. 0 | 23 59 39,808 | +28 9 22,54 | 1841 | Jan. 0 | 0 0 11,180 | +28 12 48,81 |
| | Apr. 10 | 39,710 | 21,99 | | Apr. 10 | 11,269 | 49,27 |
| | Jul. 19 | 39,614 | 21,48 | | Jul. 19 | 11,354 | 49,68 |
| | Oct. 27 | 39,522 | 21,00 | | Oct. 27 | 11,434 | 50,06 |
| | Dec. 66 | 39,432 | 20,56 | | Dec. 66 | 11,510 | 50,39 |
| 1832 | Jan. 1 | 23 59 42,541 | +28 9 40,61 | 1842 | Jan. 0 | 0 0 14,566 | +28 13 10,19 |
| | Apr. 10 | 42,455 | 40,20 | | Apr. 10 | 14,638 | 10,49 |
| | Jul. 19 | 42,376 | 39,84 | | Jul. 19 | 14,703 | 10,74 |
| | Oct. 27 | 42,303 | 39,53 | | Oct. 27 | 14,761 | 10,94 |
| | Dec. 66 | 42,236 | 39,27 | | Dec. 66 | 14,812 | 11,08 |
| 1833 | Jan. 0 | 23 59 45,336 | +28 9 59,25 | 1843 | Jan. 0 | 0 0 17,877 | +28 13 30,94 |
| | Apr. 10 | 45,274 | 59,03 | | Apr. 10 | 17,923 | 31,05 |
| | Jul. 19 | 45,220 | 58,86 | | Jul. 19 | 17,960 | 31,10 |
| | Oct. 27 | 45,174 | 58,75 | | Oct. 27 | 17,989 | 31,10 |
| | Dec. 66 | 45,136 | 58,69 | | Dec. 66 | 18,010 | 31,04 |
| 1834 | Jan. 0 | 23 59 48,227 | +28 10 18,61 | 1844 | Jan. 1 | 0 0 21,085 | +28 13 50,97 |
| | Apr. 10 | 48,195 | 18,59 | | Apr. 10 | 21,099 | 50,87 |
| | Jul. 19 | 48,171 | 18,63 | | Jul. 19 | 21,104 | 50,72 |
| | Oct. 27 | 48,157 | 18,72 | | Oct. 27 | 21,100 | 50,51 |
| | Dec. 66 | 48,151 | 18,87 | | Dec. 66 | 21,087 | 50,24 |
| 1835 | Jan. 0 | 23 59 51,232 | +28 10 38,72 | 1845 | Jan. 0 | 0 0 24,173 | +28 14 10,24 |
| | Apr. 10 | 51,233 | 38,90 | | Apr. 10 | 24,153 | 9,94 |
| | Jul. 19 | 51,242 | 39,14 | | Jul. 19 | 24,125 | 9,59 |
| | Oct. 27 | 51,260 | 39,43 | | Oct. 27 | 24,087 | 9,19 |
| | Dec. 66 | 51,287 | 39,77 | | Dec. 66 | 24,041 | 8,75 |
| 1836 | Jan. 1 | 23 59 54,356 | +28 10 59,56 | 1846 | Jan. 0 | 0 0 27,139 | +28 14 28,81 |
| | Apr. 10 | 54,389 | 59,94 | | Apr. 10 | 27,087 | 28,34 |
| | Jul. 19 | 54,429 | 11 0,35 | | Jul. 19 | 27,027 | 27,84 |
| | Oct. 27 | 54,478 | 0,78 | | Oct. 27 | 26,960 | 27,30 |
| | Dec. 66 | 54,534 | 1,25 | | Dec. 66 | 26,886 | 26,73 |
| 1837 | Jan. 0 | 23 59 57,594 | +28 11 20,99 | 1847 | Jan. 0 | 0 0 29,993 | +28 14 46,83 |
| | Apr. 10 | 57,655 | 21,49 | | Apr. 10 | 29,915 | 46,24 |
| | Jul. 19 | 57,721 | 22,02 | | Jul. 19 | 29,831 | 45,64 |
| | Oct. 27 | 57,794 | 22,57 | | Oct. 27 | 29,742 | 45,02 |
| | Dec. 66 | 57,872 | 23,14 | | Dec. 66 | 29,648 | 44,38 |
| 1838 | Jan. 0 | 0 0 0,925 | +28 11 42,86 | 1848 | Jan. 1 | 0 0 32,762 | +28 15 4,51 |
| | Apr. 10 | 1,007 | 43,44 | | Apr. 10 | 32,666 | 3,88 |
| | Jul. 19 | 1,092 | 44,02 | | Jul. 19 | 32,568 | 3,25 |
| | Oct. 27 | 1,181 | 44,62 | | Oct. 27 | 32,468 | 2,63 |
| | Dec. 66 | 1,274 | 45,22 | | Dec. 66 | 32,367 | 2,01 |
| 1839 | Jan. 0 | 0 0 4,322 | +28 12 4,93 | 1849 | Jan. 0 | 0 0 35,482 | +28 15 22,12 |
| | Apr. 10 | 4,417 | 5,53 | | Apr. 10 | 35,380 | 21,52 |
| | Jul. 19 | 4,512 | 6,12 | | Jul. 19 | 35,280 | 20,94 |
| | Oct. 27 | 4,608 | 6,70 | | Oct. 27 | 35,181 | 20,39 |
| | Dec. 66 | 4,705 | 7,27 | | Dec. 66 | 35,084 | 19,86 |

## Tabulae X. Sect. V. *α Andromedae.*

| | 1840 | | 1840 | | Var. 10 annor. | |
|---|---|---|---|---|---|---|
| | ″ | | ″ | | | |
| Jan. 0 | −0,199 | −13,6 | + 8,36 | − 8,2 | +3 | +2 |
| 10 | −0,334 | −13,2 | + 7,41 | −10,8 | +3 | +2 |
| 20 | −0,462 | −12,2 | + 6,20 | −13,1 | +3 | +3 |
| 30 | −0,577 | −10,6 | + 4,80 | −14,7 | +2 | +3 |
| Febr. 9 | −0,674 | − 8,5 | + 3,26 | −15,8 | +2 | +3 |
| 19 | −0,746 | − 5,7 | + 1,65 | −16,2 | +1 | +3 |
| Mart. 1 | −0,787 | − 2,3 | + 0,03 | −15,8 | +1 | +3 |
| 11 | −0,791 | + 1,7 | − 1,50 | −14,6 | 0 | +3 |
| 21 | −0,754 | + 5,0 | − 2,88 | −12,7 | 0 | +2 |
| 31 | −0,672 | +10,5 | − 4,03 | −10,1 | −1 | +2 |
| Apr. 10 | −0,544 | +15,1 | − 4,89 | − 7,0 | −1 | +2 |
| 20 | −0,370 | +19,6 | − 5,42 | − 3,4 | −2 | +1 |
| 30 | −0,153 | +23,7 | − 5,57 | + 0,4 | −2 | +1 |
| Maj. 10 | +0,104 | +27,4 | − 5,34 | + 4,3 | −2 | 0 |
| 20 | +0,395 | +30,4 | − 4,71 | + 8,3 | −3 | 0 |
| 30 | +0,711 | +32,6 | − 3,69 | +12,0 | −3 | −1 |
| Jun. 9 | +1,046 | +34,0 | − 2,32 | +15,3 | −3 | −1 |
| 19 | +1,390 | +34,4 | − 0,63 | +18,3 | −2 | −2 |
| 29 | +1,733 | +33,9 | + 1,33 | +20,8 | −2 | −2 |
| Jul. 9 | +2,067 | +32,5 | + 3,52 | +22,7 | −2 | −2 |
| 19 | +2,383 | +30,4 | + 5,87 | +24,0 | −2 | −3 |
| 29 | +2,674 | +27,5 | + 8,32 | +24,8 | −1 | −3 |
| Aug. 8 | +2,933 | +24,1 | +10,83 | +25,1 | −1 | −3 |
| 18 | +3,156 | +20,4 | +13,33 | +24,7 | 0 | −3 |
| 28 | +3,340 | +16,3 | +15,77 | +23,9 | 0 | −3 |
| Sept. 7 | +3,482 | +12,2 | +18,11 | +22,7 | +1 | −3 |
| 17 | +3,583 | + 8,1 | +20,31 | +21,1 | +2 | −2 |
| 27 | +3,644 | + 4,3 | +22,33 | +19,2 | +2 | −2 |
| Oct. 7 | +3,668 | + 0,7 | +24,14 | +16,9 | +3 | −2 |
| 17 | +3,657 | − 2,6 | +25,71 | +14,5 | +3 | −1 |
| 27 | +3,616 | − 5,4 | +27,03 | +11,8 | +4 | −1 |
| Nov. 6 | +3,549 | − 7,8 | +28,07 | + 8,9 | +4 | 0 |
| 16 | +3,460 | − 9,8 | +28,81 | + 6,0 | +5 | 0 |
| 26 | +3,353 | −11,4 | +29,26 | + 3,0 | +5 | +1 |
| Dec. 6 | +3,233 | −12,5 | +29,40 | − 0,2 | +5 | +1 |
| 16 | +3,103 | −13,3 | +29,22 | − 3,4 | +5 | +1 |
| 26 | +2,967 | −13,7 | +28,73 | − 6,4 | +5 | +2 |
| 36 | +2,830 | −13,5 | +27,94 | − 9,2 | +5 | +2 |

| | A. R. med. | Decl. med. |
|---|---|---|
| | h ′ ″ | ° ′ ″ |
| 1830 | 23 59 36,9059 | + 28 9 5,650 |
| 1831 | 59 39,9846 | 9 25,556 |
| 1832 | 59 43,0635 | 9 45,462 |
| 1833 | 59 46,1426 | 10 5,368 |
| 1834 | 59 49,2218 | 10 25,273 |
| 1835 | 59 52,3013 | 10 45,179 |
| 1836 | 59 55,3809 | 11 5,085 |
| 1837 | 59 58,4607 | 11 24,990 |
| 1838 | 0 0 1,5407 | 11 44,896 |
| 1839 | 0 4,6208 | 12 4,801 |
| 1840 | 0 7,7010 | 12 24,707 |
| 1841 | 0 10,7815 | 12 44,612 |
| 1842 | 0 13,8622 | 13 4,518 |
| 1843 | 0 16,9430 | 13 24,423 |
| 1844 | 0 20,0240 | 13 44,328 |
| 1845 | 0 23,1052 | 14 4,234 |
| 1846 | 0 26,1866 | 14 24,139 |
| 1847 | 0 29,2682 | 14 44,044 |
| 1848 | 0 32,3499 | 15 3,949 |
| 1849 | 0 35,4318 | 15 23,854 |
| 1850 | 0 38,5138 | 15 43,759 |

Diei reducto addendum est:

ante / post } Mart. 20 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

## Tabulae X. Sect. V. *a Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ⊙ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 0 59 51,84 | − 0,79 | 88 24 5,32 | − 0,57 | 256 | 957 |
| | Apr. 10 | 51,05 | − 0,96 | 4,75 | − 0,53 | | |
| | Jul. 19 | 50,09 | − 1,12 | 4,22 | − 0,50 | | |
| | Oct. 27 | 48,97 | − 1,29 | 3,72 | − 0,45 | | |
| | Dec. 66 | 47,68 | | 3,27 | | | |
| 1831 | Jan. 0 | 1 0 3,66 | − 1,38 | 88 24 22,80 | − 0,42 | 203 | 325 |
| | Apr. 10 | 2,28 | − 1,50 | 22,38 | − 0,38 | | |
| | Jul. 19 | 0,78 | − 1,61 | 22,00 | − 0,32 | | |
| | Oct. 27 | 0 59 59,17 | − 1,73 | 21,68 | − 0,27 | | |
| | Dec. 66 | 57,44 | | 21,41 | | | |
| 1832 | Jan. 1 | 1 0 13,65 | − 1,79 | 88 24 40,87 | − 0,23 | 149 | 694 |
| | Apr. 10 | 11,86 | − 1,86 | 40,64 | − 0,17 | | |
| | Jul. 19 | 10,00 | − 1,91 | 40,47 | − 0,11 | | |
| | Oct. 27 | 8,09 | − 1,97 | 40,36 | − 0,06 | | |
| | Dec. 66 | 6,12 | | 40,30 | | | |
| 1833 | Jan. 0 | 1 0 22,50 | − 2,00 | 88 24 59,69 | − 0,02 | 095 | 062 |
| | Apr. 10 | 20,50 | − 1,99 | 59,67 | + 0,05 | | |
| | Jul. 19 | 18,51 | − 1,99 | 59,72 | + 0,10 | | |
| | Oct. 27 | 16,52 | − 1,98 | 59,82 | + 0,16 | | |
| | Dec. 66 | 14,54 | | 59,98 | | | |
| 1834 | Jan. 0 | 1 0 31,01 | − 1,97 | 88 25 19,29 | + 0,20 | 041 | 430 |
| | Apr. 10 | 29,04 | − 1,90 | 19,49 | + 0,25 | | |
| | Jul. 19 | 27,14 | − 1,84 | 19,74 | + 0,30 | | |
| | Oct. 27 | 25,30 | − 1,77 | 20,04 | + 0,36 | | |
| | Dec. 66 | 23,53 | | 20,40 | | | |
| 1835 | Jan. 0 | 1 0 40,02 | − 1,71 | 88 25 39,64 | + 0,38 | 988 | 798 |
| | Apr. 10 | 38,31 | − 1,60 | 40,02 | + 0,43 | | |
| | Jul. 19 | 36,71 | − 1,49 | 40,45 | + 0,47 | | |
| | Oct. 27 | 35,22 | − 1,37 | 40,92 | + 0,50 | | |
| | Dec. 66 | 33,85 | | 41,42 | | | |
| 1836 | Jan. 1 | 1 0 50,30 | − 1,28 | 88 26 0,60 | + 0,53 | 934 | 167 |
| | Apr. 10 | 49,02 | − 1,13 | 1,13 | + 0,55 | | |
| | Jul. 19 | 47,89 | − 0,97 | 1,68 | + 0,58 | | |
| | Oct. 27 | 46,92 | − 0,82 | 2,26 | + 0,60 | | |
| | Dec. 66 | 46,10 | | 2,86 | | | |
| 1837 | Jan. 0 | 1 1 2,46 | − 0,71 | 88 26 22,00 | + 0,61 | 880 | 535 |
| | Apr. 10 | 1,75 | − 0,53 | 22,61 | + 0,61 | | |
| | Jul. 19 | 1,22 | − 0,36 | 23,22 | + 0,62 | | |
| | Oct. 27 | 0,86 | − 0,17 | 23,84 | + 0,62 | | |
| | Dec. 66 | 0,69 | | 24,46 | | | |
| 1838 | Jan. 0 | 1 1 16,92 | − 0,06 | 88 26 43,59 | + 0,62 | 827 | 903 |
| | Apr. 10 | 16,86 | + 0,12 | 44,21 | + 0,61 | | |
| | Jul. 19 | 16,98 | + 0,29 | 44,82 | + 0,60 | | |
| | Oct. 27 | 17,27 | + 0,47 | 45,42 | + 0,59 | | |
| | Dec. 66 | 17,74 | | 46,01 | | | |
| 1839 | Jan. 0 | 1 1 33,86 | + 0,61 | 88 27 5,14 | + 0,57 | 773 | 272 |
| | Apr. 10 | 34,47 | + 0,75 | 5,71 | + 0,55 | | |
| | Jul. 19 | 35,22 | + 0,92 | 6,26 | + 0,51 | | |
| | Oct. 27 | 36,14 | + 1,09 | 6,77 | + 0,48 | | |
| | Dec. 66 | 37,23 | | 7,25 | | | |

## Tabulae X. Sect. V. α *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | ☉ + ☊ | ☽ |
|---|---|---|---|---|---|---|---|
| 1840 | Jan. 1 | 1 1 53,26 | + 1,19 | 88 27 26,42 | + 0,46 | 719 | 640 |
| | Apr. 10 | 54,45 | + 1,32 | 26,88 | + 0,41 | | |
| | Jul. 19 | 55,77 | + 1,46 | 27,29 | + 0,37 | | |
| | Oct. 27 | 57,23 | + 1,59 | 27,66 | + 0,33 | | |
| | Dec. 66 | 58,82 | | 27,99 | | | |
| 1841 | Jan. 0 | 1 2 14,79 | + 1,67 | 88 27 47,20 | + 0,30 | 665 | 008 |
| | Apr. 10 | 16,46 | + 1,75 | 47,50 | + 0,24 | | |
| | Jul. 19 | 18,21 | + 1,85 | 47,74 | + 0,19 | | |
| | Oct. 27 | 20,06 | + 1,93 | 47,93 | + 0,14 | | |
| | Dec. 66 | 21,99 | | 48,07 | | | |
| 1842 | Jan. 0 | 1 2 37,95 | + 1,97 | 88 28 7,34 | + 0,10 | 612 | 376 |
| | Apr. 10 | 39,92 | + 2,01 | 7,44 | + 0,04 | | |
| | Jul. 19 | 41,93 | + 2,03 | 7,48 | − 0,02 | | |
| | Oct. 27 | 43,96 | + 2,06 | 7,46 | − 0,03 | | |
| | Dec. 66 | 46,02 | | 7,38 | | | |
| 1843 | Jan. 0 | 1 3 2,05 | + 2,07 | 88 28 26,72 | − 0,11 | 558 | 745 |
| | Apr. 10 | 4,12 | + 2,03 | 26,61 | − 0,18 | | |
| | Jul. 19 | 6,15 | + 2,00 | 26,43 | − 0,22 | | |
| | Oct. 27 | 8,15 | + 1,96 | 26,21 | − 0,29 | | |
| | Dec. 66 | 10,11 | | 25,92 | | | |
| 1844 | Jan. 1 | 1 3 26,29 | + 1,92 | 88 28 45,32 | − 0,32 | 504 | 113 |
| | Apr. 10 | 28,21 | + 1,82 | 45,00 | − 0,36 | | |
| | Jul. 19 | 30,03 | + 1,73 | 44,64 | − 0,42 | | |
| | Oct. 27 | 31,76 | + 1,63 | 44,22 | − 0,46 | | |
| | Dec. 66 | 33,39 | | 43,76 | | | |
| 1845 | Jan. 0 | 1 3 49,80 | + 1,54 | 88 29 3,21 | − 0,49 | 450 | 481 |
| | Apr. 10 | 51,34 | + 1,40 | 2,72 | − 0,52 | | |
| | Jul. 19 | 52,74 | + 1,25 | 2,20 | − 0,56 | | |
| | Oct. 27 | 53,99 | + 1,10 | 1,64 | − 0,59 | | |
| | Dec. 66 | 55,09 | | 1,05 | | | |
| 1846 | Jan. 0 | 1 4 11,78 | + 0,98 | 88 29 20,54 | − 0,61 | 397 | 849 |
| | Apr. 10 | 12,76 | + 0,80 | 19,93 | − 0,63 | | |
| | Jul. 19 | 13,56 | + 0,61 | 19,30 | − 0,63 | | |
| | Oct. 27 | 14,17 | + 0,43 | 18,67 | − 0,65 | | |
| | Dec. 66 | 14,60 | | 18,02 | | | |
| 1847 | Jan. 0 | 1 4 31,64 | + 0,29 | 88 29 37,52 | − 0,66 | 343 | 218 |
| | Apr. 10 | 31,93 | + 0,09 | 36,86 | − 0,65 | | |
| | Jul. 19 | 32,02 | − 0,11 | 36,21 | − 0,64 | | |
| | Oct. 27 | 31,91 | − 0,31 | 35,57 | − 0,63 | | |
| | Dec. 66 | 31,60 | | 34,94 | | | |
| 1848 | Jan. 1 | 1 4 48,99 | − 0,44 | 88 29 54,43 | − 0,62 | 289 | 586 |
| | Apr. 10 | 48,55 | − 0,63 | 53,81 | − 0,60 | | |
| | Jul. 19 | 47,92 | − 0,83 | 53,21 | − 0,56 | | |
| | Oct. 27 | 47,09 | − 1,01 | 52,65 | − 0,54 | | |
| | Dec. 66 | 46,08 | | 52,11 | | | |
| 1849 | Jan. 0 | 1 5 3,82 | − 1,13 | 88 30 11,56 | − 0,51 | 235 | 954 |
| | Apr. 10 | 2,69 | − 1,28 | 11,05 | − 0,47 | | |
| | Jul. 19 | 1,41 | − 1,44 | 10,58 | − 0,42 | | |
| | Oct. 27 | 4 59,97 | − 1,59 | 10,16 | − 0,38 | | |
| | Dec. 66 | 58,38 | | 9,78 | | | |

## Tabulae X. Sect. V. *α Ursae minoris.*

| | Corr. A. R. pro 1840 | | Variatio annua | | Corr. Decl. pro 1840 | | Variatio annua | | Mot. Arg. ☉+☊ | Mot. Arg. ☽ |
|---|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | | |
| Jan. 0 | + 7,55 | −7,87 | +0,0861 | −258 | +20,01 | +0,68 | −0,0024 | +31 | 000 | 000 |
| 10 | − 0,32 | −7,97 | +0,0603 | −280 | +20,69 | +0,02 | +0,0007 | +38 | 026 | 365 |
| 20 | − 8,29 | −7,76 | +0,0323 | −294 | +20,71 | −0,63 | +0,0045 | +41 | 052 | 730 |
| 30 | −16,05 | −7,26 | +0,0029 | −295 | +20,08 | −1,24 | +0,0086 | +36 | 078 | 095 |
| Febr. 9 | −23,31 | −6,47 | −0,0266 | −284 | +18,84 | −1,81 | +0,0122 | +32 | 103 | 460 |
| 19 | −29,78 | −5,43 | −0,0550 | −258 | +17,03 | −2,28 | +0,0154 | +27 | 129 | 825 |
| Mart. 1 | −35,21 | −4,17 | −0,0808 | −226 | +14,75 | −2,66 | +0,0181 | +21 | 155 | 190 |
| 11 | −39,38 | −2,77 | −0,1034 | −186 | +12,09 | −2,93 | +0,0202 | +13 | 181 | 555 |
| 21 | −42,15 | −1,27 | −0,1220 | −136 | + 9,16 | −3,06 | +0,0215 | + 6 | 207 | 920 |
| 31 | −43,42 | +0,26 | −0,1356 | − 84 | + 6,10 | −3,09 | +0,0221 | − 3 | 233 | 285 |
| Apr. 10 | −43,16 | +1,75 | −0,1440 | − 30 | + 3,01 | −2,98 | +0,0218 | − 9 | 258 | 650 |
| 20 | −41,41 | +3,16 | −0,1470 | + 27 | + 0,03 | −2,76 | +0,0209 | −15 | 284 | 015 |
| 30 | −38,25 | +4,44 | −0,1443 | + 80 | − 2,73 | −2,45 | +0,0194 | −23 | 310 | 380 |
| Maj. 10 | −33,81 | +5,56 | −0,1363 | +131 | − 5,18 | −2,06 | +0,0171 | −28 | 336 | 745 |
| 20 | −28,25 | +6,47 | −0,1232 | +176 | − 7,24 | −1,60 | +0,0143 | −31 | 362 | 110 |
| 30 | −21,78 | +7,18 | −0,1056 | +214 | − 8,84 | −1,09 | +0,0112 | −34 | 388 | 475 |
| Jun. 9 | −14,60 | +7,68 | −0,0842 | +247 | − 9,93 | −0,53 | +0,0078 | −39 | 413 | 840 |
| 19 | − 6,92 | +7,95 | −0,0595 | +272 | −10,46 | −0,02 | +0,0039 | −38 | 439 | 205 |
| 29 | + 1,03 | +8,03 | −0,0323 | +291 | −10,48 | +0,55 | +0,0001 | −39 | 465 | 570 |
| Jul. 9 | + 9,06 | +7,90 | −0,0032 | +302 | − 9,93 | +1,09 | −0,0038 | −40 | 491 | 935 |
| 19 | +16,96 | +7,60 | +0,0270 | +308 | − 8,84 | +1,59 | −0,0078 | −36 | 517 | 300 |
| 29 | +24,56 | +7,13 | +0,0578 | +304 | − 7,25 | +2,07 | −0,0114 | −34 | 543 | 665 |
| Aug. 8 | +31,69 | +6,51 | +0,0882 | +296 | − 5,18 | +2,49 | −0,0148 | −33 | 568 | 030 |
| 18 | +38,20 | +5,77 | +0,1178 | +283 | − 2,69 | +2,87 | −0,0181 | −28 | 594 | 395 |
| 28 | +43,97 | +4,90 | +0,1461 | +262 | + 0,18 | +3,20 | −0,0209 | −25 | 620 | 760 |
| Sept. 7 | +48,87 | +3,93 | +0,1723 | +239 | + 3,38 | +3,45 | −0,0234 | −19 | 646 | 125 |
| 17 | +52,80 | +2,88 | +0,1962 | +208 | + 6,83 | +3,64 | −0,0253 | −13 | 672 | 490 |
| 27 | +55,68 | +1,74 | +0,2170 | +171 | +10,47 | +3,76 | −0,0266 | − 9 | 698 | 855 |
| Oct. 7 | +57,42 | +0,56 | +0,2341 | +134 | +14,23 | +3,80 | −0,0275 | − 2 | 723 | 220 |
| 17 | +57,98 | −0,67 | +0,2475 | + 89 | +18,03 | +3,76 | −0,0277 | + 4 | 749 | 585 |
| 27 | +57,31 | −1,92 | +0,2564 | + 40 | +21,79 | +3,63 | −0,0273 | +11 | 775 | 950 |
| Nov. 6 | +55,39 | −3,15 | +0,2604 | − 10 | +25,42 | +3,42 | −0,0262 | +16 | 801 | 315 |
| 16 | +52,24 | −4,33 | +0,2594 | − 60 | +28,84 | +3,11 | −0,0246 | +23 | 827 | 680 |
| 26 | +47,91 | −5,43 | +0,2534 | −111 | +31,95 | +2,71 | −0,0223 | +27 | 853 | 045 |
| Dec. 6 | +42,48 | −6,37 | +0,2423 | −158 | +34,66 | +2,24 | −0,0196 | +34 | 879 | 410 |
| 16 | +36,11 | −7,15 | +0,2265 | −203 | +36,90 | +1,68 | −0,0162 | +36 | 904 | 775 |
| 26 | +28,96 | −7,69 | +0,2062 | −237 | +38,58 | +1,08 | −0,0126 | +40 | 930 | 140 |
| 36 | +21,27 | | +0,1825 | | +39,66 | | −0,0086 | | 956 | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 6 { + 1 / + 2

pro Culminatione inferiori { ante / post } Oct. 9 { + 1,5 / + 2,5

## Tabulae X. Sect. V. *α Ursae minoris.*

| Motus Arg. | | |
|---|---|---|
| Dies | ☉+☊ | ☽ |
| 1 | 003 | 037 |
| 2 | 005 | 073 |
| 3 | 008 | 110 |
| 4 | 010 | 146 |
| 5 | 013 | 183 |
| 6 | 016 | 219 |
| 7 | 018 | 256 |
| 8 | 021 | 292 |
| 9 | 023 | 329 |
| 10 | 026 | 365 |

| Arg. ☉+☊ | | |
|---|---|---|
| Arg. | A. R. | Arg. |
| 000 | —0″,03 + | 500 |
| 010 | —0,03 + | 510 |
| 020 | —0,03 + | 520 |
| 030 | —0,02 + | 530 |
| 040 | —0,02 + | 540 |
| 050 | —0,02 + | 550 |
| 060 | —0,01 + | 560 |
| 070 | —0,01 + | 570 |
| 080 | 0,00 | 580 |
| 090 | 0,00 | 590 |
| 100 | +0,01 — | 600 |
| 110 | +0,01 — | 610 |
| 120 | +0,02 — | 620 |
| 130 | +0,02 — | 630 |
| 140 | +0,02 — | 640 |
| 150 | +0,03 — | 650 |
| 160 | +0,03 — | 660 |
| 170 | +0,03 — | 670 |
| 180 | +0,04 — | 680 |
| 190 | +0,04 — | 690 |
| 200 | +0,04 — | 700 |
| 210 | +0,05 — | 710 |
| 220 | +0,05 — | 720 |
| 230 | +0,05 — | 730 |
| 240 | +0,06 — | 740 |
| 250 | +0,06 — | 750 |
| 260 | +0,06 — | 760 |
| 270 | +0,06 — | 770 |
| 280 | +0,06 — | 780 |
| 290 | +0,06 — | 790 |
| 300 | +0,07 — | 800 |
| 310 | +0,07 — | 810 |
| 320 | +0,07 — | 820 |
| 330 | +0,07 — | 830 |
| 340 | +0,07 — | 840 |
| 350 | +0,07 — | 850 |
| 360 | +0,07 — | 860 |
| 370 | +0,07 — | 870 |
| 380 | +0,06 — | 880 |
| 390 | +0,06 — | 890 |
| 400 | +0,06 — | 900 |
| 410 | +0,06 — | 910 |
| 420 | +0,06 — | 920 |
| 430 | +0,06 — | 930 |
| 440 | +0,05 — | 940 |
| 450 | +0,05 — | 950 |
| 460 | +0,05 — | 960 |
| 470 | +0,05 — | 970 |
| 480 | +0,04 — | 980 |
| 490 | +0,04 — | 990 |

| Arg. ☽ | | | |
|---|---|---|---|
| Arg. | Arg. | A. R. | Decl. |
| 000 | 500 | —0″,21 | + 0″,02 |
| 010 | 510 | —0,22 | + 0,01 |
| 020 | 520 | —0,22 | 0,00 |
| 030 | 530 | —0,22 | —0,01 |
| 040 | 540 | —0,22 | —0,02 |
| 050 | 550 | —0,21 | —0,03 |
| 060 | 560 | —0,20 | —0,04 |
| 070 | 570 | —0,18 | —0,04 |
| 080 | 580 | —0,17 | —0,05 |
| 090 | 590 | —0,15 | —0,06 |
| 100 | 600 | —0,13 | —0,07 |
| 110 | 610 | —0,10 | —0,07 |
| 120 | 620 | —0,08 | —0,08 |
| 130 | 630 | —0,05 | —0,08 |
| 140 | 640 | —0,03 | —0,08 |
| 150 | 650 | 0,00 | —0,08 |
| 160 | 660 | +0,03 | —0,08 |
| 170 | 670 | +0,06 | —0,08 |
| 180 | 680 | +0,08 | —0,07 |
| 190 | 690 | +0,11 | —0,07 |
| 200 | 700 | +0,13 | —0,06 |
| 210 | 710 | +0,15 | —0,06 |
| 220 | 720 | +0,17 | —0,05 |
| 230 | 730 | +0,19 | —0,04 |
| 240 | 740 | +0,20 | —0,03 |
| 250 | 750 | +0,21 | —0,02 |
| 260 | 760 | +0,22 | —0,01 |
| 270 | 770 | +0,22 | 0,00 |
| 280 | 780 | +0,22 | +0,01 |
| 290 | 790 | +0,22 | +0,02 |
| 300 | 800 | +0,21 | +0,03 |
| 310 | 810 | +0,20 | +0,04 |
| 320 | 820 | +0,18 | +0,04 |
| 330 | 830 | +0,17 | +0,05 |
| 340 | 840 | +0,15 | +0,06 |
| 350 | 850 | +0,13 | +0,07 |
| 360 | 860 | +0,10 | +0,07 |
| 370 | 870 | +0,08 | +0,08 |
| 380 | 880 | +0,05 | +0,08 |
| 390 | 890 | +0,03 | +0,08 |
| 400 | 900 | 0,00 | +0,08 |
| 410 | 910 | —0,03 | +0,08 |
| 420 | 920 | —0,06 | +0,08 |
| 430 | 930 | —0,08 | +0,07 |
| 440 | 940 | —0,11 | +0,07 |
| 450 | 950 | —0,13 | +0,06 |
| 460 | 960 | —0,15 | +0,06 |
| 470 | 970 | —0,17 | +0,05 |
| 480 | 980 | —0,19 | +0,04 |
| 490 | 990 | —0,20 | +0,03 |

## Tabulae X. Sect. V. *α Ursae minoris.*

| | A. R. med. | | Decl. med. | |
|---|---|---|---|---|
| | h ′ ″ | + | ° ′ ″ | + |
| 1830 | 0 59 31,708 | ″ 15,522 | 88 24 8,428 | ″ 19,384 |
| 1831 | 59 47,230 | 15,617 | 24 27,812 | 19,378 |
| 1832 | 1 0 2,847 | 15,712 | 24 47,190 | 19,372 |
| 1833 | 0 18,559 | 15,810 | 25 6,562 | 19,366 |
| 1834 | 0 34,369 | 15,907 | 25 26,928 | 19,360 |
| 1835 | 0 50,276 | 16,006 | 25 45,288 | 19,354 |
| 1836 | 1 6,282 | 16,105 | 26 4,642 | 19,347 |
| 1837 | 1 22,387 | 16,207 | 26 23,989 | 19,341 |
| 1838 | 1 38,594 | 16,307 | 26 43,330 | 19,334 |
| 1839 | 1 54,901 | 16,411 | 27 2,664 | 19,328 |
| 1840 | 2 11,312 | 16,514 | 27 21,992 | 19,321 |
| 1841 | 2 27,826 | 16,619 | 27 41,313 | 19,315 |
| 1842 | 2 44,445 | 16,725 | 28 0,628 | 19,308 |
| 1843 | 3 1,170 | 16,832 | 28 19,936 | 19,301 |
| 1844 | 3 18,002 | 16,940 | 28 39,237 | 19,295 |
| 1845 | 3 34,942 | 17,049 | 28 58,532 | 19,288 |
| 1846 | 3 51,991 | 17,160 | 29 17,820 | 19,280 |
| 1847 | 4 9,151 | 17,271 | 29 37,100 | 19,273 |
| 1848 | 4 26,422 | 17,383 | 29 56,373 | 19,266 |
| 1849 | 4 43,805 | 17,497 | 30 15,639 | 19,259 |
| 1850 | 5 1,302 | | 30 34,898 | |

## Tabulae X. Sect. V. δ *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | D |
|---|---|---|---|---|---|---|
| 1830 | Jan. 0 | 18 27 9,99 | | 86 35 15,67 | | 984 |
| | Apr. 10 | 10,56 | + 0,57 | 15,45 | — 0,22 | |
| | Jul. 19 | 11,11 | + 0,55 | 15,17 | — 0,28 | |
| | Oct. 27 | 11,63 | + 0,52 | 14,80 | — 0,37 | |
| | Dec. 66 | 12,12 | + 0,49 | 14,37 | — 0,43 | |
| 1831 | Jan. 0 | 18 26 52,80 | | 86 35 16,90 | | 352 |
| | Apr. 10 | 53,27 | + 0,47 | 16,42 | — 0,48 | |
| | Jul. 19 | 53,69 | + 0,42 | 15,89 | — 0,53 | |
| | Oct. 27 | 54,07 | + 0,38 | 15,30 | — 0,59 | |
| | Dec. 66 | 54,42 | + 0,35 | 14,65 | — 0,65 | |
| 1832 | Jan. 1 | 18 26 35,14 | | 86 35 17,22 | | 720 |
| | Apr. 10 | 35,45 | + 0,31 | 16,54 | — 0,68 | |
| | Jul. 19 | 35,71 | + 0,26 | 15,83 | — 0,71 | |
| | Oct. 27 | 35,91 | + 0,20 | 15,08 | — 0,75 | |
| | Dec. 66 | 36,06 | + 0,15 | 14,30 | — 0,78 | |
| 1833 | Jan. 0 | 18 26 16,84 | | 86 35 16,88 | | 89 |
| | Apr. 10 | 16,96 | + 0,12 | 16,08 | — 0,80 | |
| | Jul. 19 | 17,02 | + 0,06 | 15,27 | — 0,81 | |
| | Oct. 27 | 17,02 | 0,00 | 14,45 | — 0,82 | |
| | Dec. 66 | 16,97 | — 0,05 | 13,63 | — 0,82 | |
| 1834 | Jan. 0 | 18 25 57,81 | | 86 35 16,19 | | 457 |
| | Apr. 10 | 57,73 | — 0,08 | 15,37 | — 0,82 | |
| | Jul. 19 | 57,59 | — 0,14 | 14,56 | — 0,81 | |
| | Oct. 27 | 57,39 | — 0,20 | 13,76 | — 0,80 | |
| | Dec. 66 | 57,15 | — 0,24 | 12,98 | — 0,78 | |
| 1835 | Jan. 0 | 18 25 38,05 | | 86 35 15,50 | | 825 |
| | Apr. 10 | 37,78 | — 0,27 | 14,74 | — 0,76 | |
| | Jul. 19 | 37,46 | — 0,32 | 14,02 | — 0,72 | |
| | Oct. 27 | 37,10 | — 0,36 | 13,33 | — 0,69 | |
| | Dec. 66 | 36,70 | — 0,40 | 12,69 | — 0,64 | |
| 1836 | Jan. 1 | 18 25 17,64 | | 86 35 15,13 | | 193 |
| | Apr. 10 | 17,21 | — 0,43 | 14,52 | — 0,61 | |
| | Jul. 19 | 16,76 | — 0,45 | 13,96 | — 0,56 | |
| | Oct. 27 | 16,27 | — 0,49 | 13,46 | — 0,50 | |
| | Dec. 66 | 15,75 | — 0,52 | 13,01 | — 0,45 | |
| 1837 | Jan. 0 | 18 24 56,72 | | 86 35 15,36 | | 562 |
| | Apr. 10 | 56,19 | — 0,53 | 14,96 | — 0,40 | |
| | Jul. 19 | 55,65 | — 0,54 | 14,62 | — 0,34 | |
| | Oct. 27 | 55,08 | — 0,57 | 14,35 | — 0,27 | |
| | Dec. 66 | 54,51 | — 0,57 | 14,15 | — 0,20 | |
| 1838 | Jan. 0 | 18 24 35,49 | | 86 35 16,39 | | 930 |
| | Apr. 10 | 34,91 | — 0,58 | 16,24 | — 0,15 | |
| | Jul. 19 | 34,33 | — 0,58 | 16,16 | — 0,08 | |
| | Oct. 27 | 33,76 | — 0,57 | 16,15 | — 0,01 | |
| | Dec. 66 | 33,18 | — 0,58 | 16,21 | + 0,06 | |
| 1839 | Jan. 0 | 18 24 14,16 | | 86 35 18,33 | | 298 |
| | Apr. 10 | 13,59 | — 0,57 | 18,45 | + 0,12 | |
| | Jul. 19 | 13,04 | — 0,55 | 18,63 | + 0,18 | |
| | Oct. 27 | 12,51 | — 0,53 | 18,89 | + 0,26 | |
| | Dec. 66 | 12,00 | — 0,51 | 19,21 | + 0,32 | |

## Tabulae X. Sect. V. δ *Ursae minoris.*

| | | h ′ ″ | ″ | ° ′ ″ | ″ | D |
|---|---|---|---|---|---|---|
| 1840 | Jan. 1 | 18 23 52,94 | | 86 35 21,21 | | 666 |
| | Apr. 10 | 52,45 | — 0,49 | 21,58 | + 0,37 | |
| | Jul. 19 | 51,98 | — 0,47 | 22,01 | + 0,43 | |
| | Oct. 27 | 51,55 | — 0,43 | 22,50 | + 0,49 | |
| | Dec. 66 | 51,15 | — 0,40 | 23,05 | + 0,55 | |
| 1841 | Jan. 0 | 18 23 32,05 | | 86 35 24,95 | | 35 |
| | Apr. 10 | 31,68 | — 0,37 | 25,54 | + 0,59 | |
| | Jul. 19 | 31,36 | — 0,32 | 26,17 | + 0,63 | |
| | Oct. 27 | 31,07 | — 0,29 | 26,84 | + 0,67 | |
| | Dec. 66 | 30,83 | — 0,24 | 27,56 | + 0,72 | |
| 1842 | Jan. 0 | 18 23 11,67 | | 86 35 29,38 | | 403 |
| | Apr. 10 | 11,46 | — 0,21 | 30,12 | + 0,74 | |
| | Jul. 19 | 11,31 | — 0,15 | 30,89 | + 0,77 | |
| | Oct. 27 | 11,20 | — 0,11 | 31,67 | + 0,78 | |
| | Dec. 66 | 11,15 | — 0,05 | 32,49 | + 0,82 | |
| 1843 | Jan. 0 | 18 22 51,92 | | 86 35 34,25 | | 771 |
| | Apr. 10 | 51,90 | — 0,02 | 35,07 | + 0,82 | |
| | Jul. 19 | 51,94 | + 0,04 | 35,89 | + 0,82 | |
| | Oct. 27 | 52,03 | + 0,09 | 36,71 | + 0,82 | |
| | Dec. 66 | 52,18 | + 0,15 | 37,52 | + 0,81 | |
| 1844 | Jan. 1 | 18 22 32,88 | | 86 35 39,26 | | 139 |
| | Apr. 10 | 33,06 | + 0,18 | 40,06 | + 0,80 | |
| | Jul. 19 | 33,29 | + 0,23 | 40,84 | + 0,78 | |
| | Oct. 27 | 33,57 | + 0,28 | 41,59 | + 0,75 | |
| | Dec. 66 | 33,91 | + 0,34 | 42,32 | + 0,73 | |
| 1845 | Jan. 0 | 18 22 14,53 | | 86 35 44,06 | | 508 |
| | Apr. 10 | 14,90 | + 0,37 | 44,76 | + 0,70 | |
| | Jul. 19 | 15,30 | + 0,40 | 45,41 | + 0,65 | |
| | Oct. 27 | 15,75 | + 0,45 | 46,01 | + 0,60 | |
| | Dec. 66 | 16,24 | + 0,49 | 46,56 | + 0,55 | |
| 1846 | Jan. 0 | 18 21 56,80 | | 86 35 48,34 | | 876 |
| | Apr. 10 | 57,31 | + 0,51 | 48,85 | + 0,51 | |
| | Jul. 19 | 57,85 | + 0,54 | 49,29 | + 0,44 | |
| | Oct. 27 | 58,41 | + 0,56 | 49,67 | + 0,38 | |
| | Dec. 66 | 58,99 | + 0,58 | 49,97 | + 0,30 | |
| 1847 | Jan. 0 | 18 21 39,52 | | 86 35 51,80 | | 244 |
| | Apr. 10 | 40,11 | + 0,59 | 52,06 | + 0,26 | |
| | Jul. 19 | 40,71 | + 0,60 | 52,24 | + 0,18 | |
| | Oct. 27 | 41,32 | + 0,61 | 52,34 | + 0,10 | |
| | Dec. 66 | 41,93 | + 0,61 | 52,37 | + 0,03 | |
| 1848 | Jan. 1 | 18 21 22,45 | | 86 35 54,27 | | 612 |
| | Apr. 10 | 23,06 | + 0,61 | 54,25 | — 0,02 | |
| | Jul. 19 | 23,65 | + 0,59 | 54,14 | — 0,11 | |
| | Oct. 27 | 24,23 | + 0,58 | 53,96 | — 0,18 | |
| | Dec. 66 | 24,80 | + 0,57 | 53,70 | — 0,26 | |
| 1849 | Jan. 0 | 18 21 5,33 | | 86 35 55,67 | | 981 |
| | Apr. 10 | 5,88 | + 0,55 | 55,36 | — 0,31 | |
| | Jul. 19 | 6,40 | + 0,52 | 54,99 | — 0,37 | |
| | Oct. 27 | 6,89 | + 0,49 | 54,54 | — 0,45 | |
| | Dec. 66 | 7,35 | + 0,46 | 54,03 | — 0,51 | |

## Tabulae X. Sect. V. δ *Ursae minoris.*

| | Corr. A. R. pro 1840 | | Variatio annua | | Corr. Decl. pro 1840 | | Variatio annua | | Mot. ☽ |
|---|---|---|---|---|---|---|---|---|---|
| | ″ | ″ | ″ | | ″ | ″ | ″ | | |
| Jan. 0 | —22,73 | — 0,02 | —0,0029 | +51 | — 0,65 | — 3,37 | —0,0281 | — 1 | 000 |
| 10 | —22,75 | + 0,70 | +0,0022 | +50 | — 4,02 | — 3,27 | —0,0282 | + 7 | 365 |
| 20 | —22,05 | + 1,40 | +0,0072 | +49 | — 7,29 | — 3,07 | —0,0275 | +16 | 730 |
| 30 | —20,65 | + 2,03 | +0,0121 | +44 | —10,36 | — 2,74 | —0,0259 | +24 | 095 |
| Febr. 9 | —18,62 | + 2,57 | +0,0165 | +40 | —13,10 | — 2,32 | —0,0235 | +31 | 460 |
| 19 | —16,05 | + 3,01 | +0,0205 | +32 | —15,42 | — 1,80 | —0,0204 | +36 | 825 |
| Mart 1 | —13,04 | + 3,32 | +0,0237 | +25 | —17,22 | — 1,23 | —0,0168 | +40 | 190 |
| 11 | — 9,72 | + 3,51 | +0,0262 | +16 | —18,45 | — 0,61 | —0,0128 | +43 | 555 |
| 21 | — 6,21 | + 3,54 | +0,0278 | + 6 | —19,06 | + 0,03 | —0,0085 | +43 | 920 |
| 31 | — 2,67 | + 3,46 | +0,0284 | — 4 | —19,03 | + 0,65 | —0,0042 | +42 | 285 |
| Apr. 10 | + 0,79 | + 3,23 | +0,0280 | —12 | —18,38 | + 1,23 | 0,0000 | +40 | 650 |
| 20 | + 4,02 | + 2,90 | +0,0268 | —22 | —17,15 | + 1,76 | +0,0040 | +35 | 015 |
| 30 | + 6,92 | + 2,46 | +0,0246 | —29 | —15,39 | + 2,23 | +0,0075 | +30 | 380 |
| Maj. 10 | + 9,38 | + 1,96 | +0,0217 | —36 | —13,16 | + 2,60 | +0,0105 | +23 | 745 |
| 20 | +11,34 | + 1,39 | +0,0181 | —42 | —10,56 | + 2,90 | +0,0128 | +16 | 110 |
| 30 | +12,73 | + 0,78 | +0,0139 | —46 | — 7,66 | + 3,09 | +0,0144 | + 9 | 475 |
| Jun. 9 | +13,51 | + 0,15 | +0,0093 | —49 | — 4,57 | + 3,19 | +0,0153 | 0 | 840 |
| 19 | +13,66 | — 0,48 | +0,0044 | —51 | — 1,38 | + 3,21 | +0,0153 | — 7 | 205 |
| 29 | +13,18 | — 1,10 | —0,0007 | —50 | + 1,83 | + 3,14 | +0,0146 | —16 | 570 |
| Jul. 9 | +12,08 | — 1,69 | —0,0057 | —49 | + 4,97 | + 3,00 | +0,0130 | —22 | 935 |
| 19 | +10,39 | — 2,24 | —0,0106 | —47 | + 7,97 | + 2,77 | +0,0108 | —29 | 300 |
| 29 | + 8,15 | — 2,73 | —0,0153 | —45 | +10,74 | + 2,51 | +0,0079 | —36 | 665 |
| Aug. 8 | + 5,42 | — 3,17 | —0,0198 | —38 | +13,25 | + 2,17 | +0,0043 | —41 | 030 |
| 18 | + 2,25 | — 3,55 | —0,0236 | —34 | +15,42 | + 1,79 | +0,0002 | —45 | 395 |
| 28 | — 1,30 | — 3,85 | —0,0270 | —27 | +17,21 | + 1,38 | —0,0043 | —49 | 760 |
| Sept. 7 | — 5,15 | — 4,06 | —0,0297 | —22 | +18,59 | + 0,93 | —0,0092 | —51 | 125 |
| 17 | — 9,21 | — 4,19 | —0,0319 | —14 | +19,52 | + 0,47 | —0,0143 | —53 | 490 |
| 27 | —13,40 | — 4,24 | —0,0333 | — 7 | +19,99 | — 0,03 | —0,0196 | —54 | 855 |
| Oct. 7 | —17,64 | — 4,19 | —0,0340 | + 2 | +19,96 | — 0,52 | —0,0250 | —52 | 220 |
| 17 | —21,83 | — 4,04 | —0,0338 | + 9 | +19,44 | — 1,02 | —0,0302 | —51 | 585 |
| 27 | —25,87 | — 3,79 | —0,0329 | +17 | +18,42 | — 1,51 | —0,0353 | —48 | 950 |
| Nov. 6 | —29,66 | — 3,44 | —0,0312 | +24 | +16,91 | — 1,96 | —0,0401 | —44 | 315 |
| 16 | —33,10 | — 3,00 | —0,0288 | +32 | +14,95 | — 2,39 | —0,0445 | —38 | 680 |
| 26 | —36,10 | — 2,46 | —0,0256 | +38 | +12,56 | — 2,76 | —0,0483 | —31 | 045 |
| Dec. 6 | —38,56 | — 1,85 | —0,0218 | +43 | + 9,80 | — 3,06 | —0,0514 | —24 | 410 |
| 16 | —40,41 | — 1,18 | —0,0175 | +47 | + 6,74 | — 3,25 | —0,0538 | —16 | 775 |
| 26 | —41,59 | — 0,47 | —0,0128 | +50 | + 3,49 | — 3,36 | —0,0554 | — 7 | 140 |
| 36 | —42,06 | | —0,0078 | | + 0,13 | | —0,0561 | | 505 |

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante, post } Dec. 28 { + 1, + 2 }

pro Culminatione inferiori { ante, post } Jun. 28 { + 0,5, + 1,5 }

## Tabulae X. Sect. V. δ *Ursae minoris.*

Motus Arg.

| Dies | ☽ |
|---|---|
| 1 | 37 |
| 2 | 73 |
| 3 | 110 |
| 4 | 146 |
| 5 | 183 |
| 6 | 219 |
| 7 | 256 |
| 8 | 292 |
| 9 | 329 |
| 10 | 365 |

### Argumentum ☽

| Arg. | Arg. | A. R. | Decl. | Arg. | Arg. |
|---|---|---|---|---|---|
| | | ″ | ″ | | |
| 000 | 500 | — 0,01 + | — 0,09 + | 250 | 750 |
| 010 | 510 | 0,00 | — 0,09 + | 260 | 760 |
| 020 | 520 | + 0,01 — | — 0,09 + | 270 | 770 |
| 030 | 530 | + 0,02 — | — 0,08 + | 280 | 780 |
| 040 | 540 | + 0,03 — | — 0,08 + | 290 | 790 |
| 050 | 550 | + 0,04 — | — 0,08 + | 300 | 800 |
| 060 | 560 | + 0,05 — | — 0,07 + | 310 | 810 |
| 070 | 570 | + 0,05 — | — 0,06 + | 320 | 820 |
| 080 | 580 | + 0,06 — | — 0,05 + | 330 | 830 |
| 090 | 590 | + 0,07 — | — 0,04 + | 340 | 840 |
| 100 | 600 | + 0,07 — | — 0,03 + | 350 | 850 |
| 110 | 610 | + 0,07 — | — 0,02 + | 360 | 860 |
| 120 | 620 | + 0,08 — | — 0,01 + | 370 | 870 |
| 130 | 630 | + 0,08 — | 0,00 | 380 | 880 |
| 140 | 640 | + 0,08 — | + 0,01 — | 390 | 890 |
| 150 | 650 | + 0,08 — | + 0,02 — | 400 | 900 |
| 160 | 660 | + 0,07 — | + 0,03 — | 410 | 910 |
| 170 | 670 | + 0,07 — | + 0,04 — | 420 | 920 |
| 180 | 680 | + 0,07 — | + 0,05 — | 430 | 930 |
| 190 | 690 | + 0,06 — | + 0,06 — | 440 | 940 |
| 200 | 700 | + 0,05 — | + 0,07 — | 450 | 950 |
| 210 | 710 | + 0,05 — | + 0,07 — | 460 | 960 |
| 220 | 720 | + 0,04 — | + 0,08 — | 470 | 970 |
| 230 | 730 | + 0,03 — | + 0,08 — | 480 | 980 |
| 240 | 740 | + 0,02 — | + 0,09 — | 490 | 990 |
| 250 | 750 | + 0,01 — | + 0,09 — | 500 | 1000 |

## Tabulae X. Sect. V. δ *Ursae minoris.*

| | A. R. med. | | Decl. med. | |
|---|---|---|---|---|
| | h ′ ″ | — | ° ′ ″ | + |
| 1810 | 18 33 29,358 | ″ 18,982 | 86 34 13,653 | ″ 2,921 |
| 1811 | 33 10,376 | 18,991 | 34 16,574 | 2,893 |
| 1812 | 32 51,385 | 19,001 | 34 19,467 | 2,866 |
| 1813 | 32 32,384 | 19,010 | 34 22,333 | 2,837 |
| 1814 | 32 13,374 | 19,020 | 34 25,170 | 2,812 |
| 1815 | 31 54,354 | 19,028 | 34 27,982 | 2,784 |
| 1816 | 31 35,326 | 19,038 | 34 30,766 | 2,756 |
| 1817 | 31 16,288 | 19,047 | 34 33,522 | 2,728 |
| 1818 | 30 57,241 | 19,056 | 34 36,250 | 2,701 |
| 1819 | 30 38,185 | 19,065 | 34 38,951 | 2,673 |
| 1820 | 30 19,120 | 19,073 | 34 41,624 | 2,646 |
| 1821 | 30 0,047 | 19,083 | 34 44,270 | 2,618 |
| 1822 | 29 40,964 | 19,090 | 34 46,888 | 2,590 |
| 1823 | 29 21,874 | 19,100 | 34 49,478 | 2,562 |
| 1824 | 29 2,774 | 19,108 | 34 52,040 | 2,536 |
| 1825 | 28 43,666 | 19,116 | 34 54,576 | 2,508 |
| 1826 | 28 24,550 | 19,124 | 34 57,084 | 2,480 |
| 1827 | 28 5,426 | 19,133 | 34 59,564 | 2,452 |
| 1828 | 27 46,293 | 19,141 | 35 2,016 | 2,424 |
| 1829 | 27 27,152 | 19,148 | 35 4,440 | 2,397 |
| 1830 | 27 8,004 | 19,157 | 35 6,837 | 2,369 |
| 1831 | 26 48,847 | 19,164 | 35 9,206 | 2,341 |
| 1832 | 26 29,683 | 19,172 | 35 11,547 | 2,313 |
| 1833 | 26 10,511 | 19,180 | 35 13,860 | 2,287 |
| 1834 | 25 51,331 | 19,187 | 35 16,147 | 2,258 |
| 1835 | 25 32,144 | 19,194 | 35 18,405 | 2,230 |
| 1836 | 25 12,950 | 19,202 | 35 20,635 | 2,203 |
| 1837 | 24 53,748 | 19,210 | 35 22,838 | 2,174 |
| 1838 | 24 34,538 | 19,216 | 35 25,012 | 2,147 |
| 1839 | 24 15,322 | 19,224 | 35 27,159 | 2,119 |
| 1840 | 23 56,098 | 19,230 | 35 29,278 | 2,091 |
| 1841 | 23 36,868 | 19,238 | 35 31,369 | 2,063 |
| 1842 | 23 17,630 | 19,244 | 35 33,432 | 2,036 |
| 1843 | 22 58,386 | 19,251 | 35 35,468 | 2,007 |
| 1844 | 22 39,135 | 19,258 | 35 37,475 | 1,980 |
| 1845 | 22 19,877 | 19,264 | 35 39,455 | 1,951 |
| 1846 | 22 0,613 | 19,271 | 35 41,406 | 1,924 |
| 1847 | 21 41,342 | 19,277 | 35 43,330 | 1,896 |
| 1848 | 21 22,065 | 19,283 | 35 45,226 | 1,867 |
| 1849 | 21 2,782 | 19,290 | 35 47,093 | 1,840 |
| 1850 | 20 43,492 | | 35 48,933 | |

# Tabula XI.

*Declinationes Stellarum in Specula Grenovicensi saepe observatarum.*

### *h* Geminorum. $g' = 0{,}467$

| | Decl. med. | Var. ann. | Log. $a'$ | Log. $b'$ | Log. $c'$ | Log. $d'$ | Log. $\mu$ |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 23 14 57,870 | + 0,8594 | 9,9862 | 9,9995 *n* | 7,6708 | 8,2801 | 9,0390 *n* |
| 1760 | 15 6,198 | + 0,8062 | 9,9617 | 9,9995 *n* | 7,6599 | 8,2557 | 9,0390 *n* |
| 1770 | 15 13,994 | + 0,7531 | 9,9358 | 9,9996 *n* | 7,6490 | 8,2298 | 9,0390 *n* |
| 1780 | 15 21,260 | + 0,7000 | 9,9082 | 9,9996 *n* | 7,6391 | 8,2022 | 9,0390 *n* |
| 1790 | 15 27,994 | + 0,6469 | 9,8787 | 9,9997 *n* | 7,6291 | 8,1728 | 9,0390 *n* |
| 1800 | 15 34,198 | + 0,5938 | 9,8470 | 9,9997 *n* | 7,6192 | 8,1412 | 9,0390 *n* |
| 1810 | 15 39,869 | + 0,5406 | 9,8129 | 9,9998 *n* | 7,6093 | 8,1071 | 9,0390 *n* |
| 1820 | 15 45,010 | + 0,4875 | 9,7759 | 9,9998 *n* | 7,6003 | 8,0701 | 9,0390 *n* |
| 1830 | 15 49,619 | + 0,4344 | 9,7354 | 9,9998 *n* | 7,5914 | 8,0297 | 9,0390 *n* |
| 1840 | 15 53,698 | + 0,3813 | 9,6907 | 9,9999 *n* | 7,5830 | 7,9850 | 9,0390 *n* |
| 1850 | 15 57,245 | + 0,3281 | 9,6409 | 9,9999 *n* | 7,5745 | 7,9353 | 9,0390 *n* |

### $\eta$ Geminorum. $g' = 0{,}474$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1750 | ° ′ ″<br>22 33 8,002 | ″<br>+ 0,0128 | 8,2690 | 0,0000 *n* | 8,2428 | 6,5504 | 7,7708 *n* |
| 1760 | 33 7,866 | — 0,0400 | 8,5346 *n* | 0,0000 *n* | 8,2422 | 6,8159 *n* | 7,7708 *n* |
| 1770 | 33 7,201 | — 0,0928 | 8,9397 *n* | 0,0000 *n* | 8,2418 | 7,2211 *n* | 7,7708 *n* |
| 1780 | 33 6,009 | — 0,1456 | 9,1456 *n* | 0,0000 *n* | 8,2418 | 7,4271 *n* | 7,7708 *n* |
| 1790 | 33 4,289 | — 0,1984 | 9,2847 *n* | 0,0000 *n* | 8,2417 | 7,5662 *n* | 7,7708 *n* |
| 1800 | 33 2,041 | — 0,2513 | 9,3899 *n* | 0,0000 *n* | 8,2417 | 7,6714 *n* | 7,7708 *n* |
| 1810 | 32 59,264 | — 0,3041 | 9,4745 *n* | 0,0000 *n* | 8,2417 | 7,7560 *n* | 7,7708 *n* |
| 1820 | 32 55,960 | — 0,3568 | 9,5453 *n* | 9,9999 *n* | 8,2419 | 7,8267 *n* | 7,7708 *n* |
| 1830 | 32 52,128 | — 0,4097 | 9,6060 *n* | 9,9999 *n* | 8,2422 | 7,8874 *n* | 7,7708 *n* |
| 1840 | 32 47,767 | — 0,4625 | 9,6595 *n* | 9,9999 *n* | 8,2427 | 7,9409 *n* | 7,7708 *n* |
| 1850 | 32 42,879 | — 0,5152 | 9,7070 *n* | 9,9999 *n* | 8,2434 | 7,9884 *n* | 7,7708 *n* |

### $\mu$ Geminorum. $g' = 0{,}480$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1750 | ° ′ ″<br>22 36 54,244 | ″<br>— 0,7957 | 9,8361 *n* | 9,9998 *n* | 8,2178 | 8,1186 *n* | 9,0449 *n* |
| 1760 | 36 46,023 | — 0,8485 | 9,8684 *n* | 9,9997 *n* | 8,2193 | 8,1509 *n* | 9,0449 *n* |
| 1770 | 36 37,274 | — 0,9014 | 9,8984 *n* | 9,9997 *n* | 8,2210 | 8,1808 *n* | 9,0449 *n* |
| 1780 | 36 27,995 | — 0,9544 | 9,9265 *n* | 9,9996 *n* | 8,2227 | 8,2089 *n* | 9,0449 *n* |
| 1790 | 36 18,187 | — 1,0073 | 9,9529 *n* | 9,9996 *n* | 8,2243 | 8,2353 *n* | 9,0449 *n* |
| 1800 | 36 7,850 | — 1,0601 | 9,9777 *n* | 9,9995 *n* | 8,2257 | 8,2601 *n* | 9,0449 *n* |
| 1810 | 35 56,985 | — 1,1130 | 0,0013 *n* | 9,9995 *n* | 8,2285 | 8,2836 *n* | 9,0449 *n* |
| 1820 | 35 45,590 | — 1,1659 | 0,0236 *n* | 9,9994 *n* | 8,2308 | 8,3059 *n* | 9,0449 *n* |
| 1830 | 35 33,667 | — 1,2188 | 0,0448 *n* | 9,9993 *n* | 8,2331 | 8,3271 *n* | 9,0449 *n* |
| 1840 | 35 21,214 | — 1,2717 | 0,0650 *n* | 9,9993 *n* | 8,2358 | 8,3473 *n* | 9,0449 *n* |
| 1850 | 35 8,233 | — 1,3245 | 0,0843 *n* | 9,9992 *n* | 8,2386 | 8,3665 *n* | 9,0449 *n* |

## Tabula XI. *continuata.*

### *Declinationes Stellarum in Specula Grenovicensi saepe observatarum.*

#### ν Geminorum. $g' = 0{,}484$

| | Decl. med. | Var. ann. | Log. $a'$ | Log. $b'$ | Log. $c'$ | Log. $d'$ | Log. $\mu$ |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 20 20 37,521 | — 1,2312 | 0,0917 *n* | 9,9992 *n* | 8,7792 | 8,3304 *n* | 7,5911 |
| 1760 | 20 24,950 | — 1,2830 | 0,1095 *n* | 9,9991 *n* | 8,7799 | 8,3482 *n* | 7,5911 |
| 1770 | 20 11,861 | — 1,3348 | 0,1267 *n* | 9,9990 *n* | 8,7807 | 8,3653 *n* | 7,5911 |
| 1780 | 19 58,254 | — 1,3866 | 0,1432 *n* | 9,9990 *n* | 8,7815 | 8,3817 *n* | 7,5911 |
| 1790 | 19 44,129 | — 1,4383 | 0,1590 *n* | 9,9989 *n* | 8,7823 | 8,3975 *n* | 7,5911 |
| 1800 | 19 29,487 | — 1,4900 | 0,1744 *n* | 9,9988 *n* | 8,7831 | 8,4128 *n* | 7,5911 |
| 1810 | 19 14,328 | — 1,5418 | 0,1891 *n* | 9,9987 *n* | 8,7839 | 8,4275 *n* | 7,5911 |
| 1820 | 18 58,650 | — 1,5937 | 0,2034 *n* | 9,9986 *n* | 8,7848 | 8,4417 *n* | 7,5911 |
| 1830 | 18 42,455 | — 1,6454 | 0,2173 *n* | 9,9985 *n* | 8,7858 | 8,4555 *n* | 7,5911 |
| 1840 | 18 25,742 | — 1,6972 | 0,2307 *n* | 9,9984 *n* | 8,7868 | 8,4688 *n* | 7,5911 |
| 1850 | 18 8,511 | — 1,7490 | 0,2437 *n* | 9,9983 *n* | 8,7878 | 8,4818 *n* | 7,5911 |

#### γ Geminorum. $g' = 0{,}490$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 16 35 13,237 | — 2,0749 | 0,3082 *n* | 9,9978 *n* | 9,1211 | 8,4614 *n* | 8,6181 *n* |
| 1760 | 34 52,237 | — 2,1251 | 0,3188 *n* | 9,9976 *n* | 9,1216 | 8,4718 *n* | 8,6181 *n* |
| 1770 | 34 30,735 | — 2,1753 | 0,3292 *n* | 9,9975 *n* | 9,1221 | 8,4820 *n* | 8,6181 *n* |
| 1780 | 34 8,732 | — 2,2255 | 0,3393 *n* | 9,9974 *n* | 9,1227 | 8,4920 *n* | 8,6181 *n* |
| 1790 | 33 46,226 | — 2,2757 | 0,3491 *n* | 9,9973 *n* | 9,1233 | 8,5017 *n* | 8,6181 *n* |
| 1800 | 33 23,219 | — 2,3258 | 0,3588 *n* | 9,9972 *n* | 9,1238 | 8,5113 *n* | 8,6181 *n* |
| 1810 | 32 59,711 | — 2,3760 | 0,3682 *n* | 9,9970 *n* | 9,1244 | 8,5206 *n* | 8,6181 *n* |
| 1820 | 32 35,700 | — 2,4262 | 0,3774 *n* | 9,9969 *n* | 9,1250 | 8,5296 *n* | 8,6181 *n* |
| 1830 | 32 11,188 | — 2,4763 | 0,3865 *n* | 9,9968 *n* | 9,1256 | 8,5385 *n* | 8,6181 *n* |
| 1840 | 31 46,174 | — 2,5265 | 0,3953 *n* | 9,9966 *n* | 9,1262 | 8,5472 *n* | 8,6181 *n* |
| 1850 | 31 20,659 | — 2,5766 | 0,4040 *n* | 9,9965 *n* | 9,1269 | 8,5557 *n* | 8,6181 *n* |

#### ε Geminorum. $g' = 0{,}494$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 25 21 4,621 | — 2,4908 | 0,3966 *n* | 9,9966 *n* | 8,5111 *n* | 7,7258 *n* | 7,1271 |
| 1760 | 20 39,446 | — 2,5442 | 0,4058 *n* | 9,9965 *n* | 8,5077 *n* | 7,7349 *n* | 7,1271 |
| 1770 | 20 13,738 | — 2,5975 | 0,4148 *n* | 9,9963 *n* | 8,5042 *n* | 7,7438 *n* | 7,1271 |
| 1780 | 19 47,497 | — 2,6508 | 0,4236 *n* | 9,9962 *n* | 8,5005 *n* | 7,7525 *n* | 7,1271 |
| 1790 | 19 20,723 | — 2,7042 | 0,4323 *n* | 9,9960 *n* | 8,4967 *n* | 7,7611 *n* | 7,1271 |
| 1800 | 18 53,415 | — 2,7575 | 0,4407 *n* | 9,9959 *n* | 8,4929 *u* | 7,7694 *n* | 7,1271 |
| 1810 | 18 25,574 | — 2,8108 | 0,4490 *n* | 9,9957 *n* | 8,4891 *n* | 7,7777 *n* | 7,1271 |
| 1820 | 17 57,200 | — 2,8641 | 0,4572 *n* | 9,9955 *n* | 8,4850 *n* | 7,7857 *n* | 7,1271 |
| 1830 | 17 28,293 | — 2,9174 | 0,4652 *n* | 9,9954 *n* | 8,4808 *n* | 7,7936 *n* | 7,1271 |
| 1840 | 16 58,852 | — 2,9708 | 0,4730 *n* | 9,9952 *n* | 8,4765 *n* | 7,8013 *n* | 7,1271 |
| 1850 | 16 28,878 | — 3,0241 | 0,4807 *n* | 9,9950 *n* | 8,4722 *n* | 7,8089 *n* | 7,1271 |

## Tabula XI. *continuata.*

### *Declinationes Stellarum in Specula Grenovicensi saepe observatarum.*

#### ζ Geminorum. $g' = 0{,}508$

| | Decl. med. | Var. ann. | Log. $a'$ | Log. $b'$ | Log. $c'$ | Log. $d'$ | Log. $\mu$ |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 20 54 41,761 | − 4,2795 | 0,6314 *n* | 9,9899 *n* | 8,7552 | 8,8816 *n* | 6,6785 |
| 1760 | 53 58,713 | − 4,3301 | 0,6365 *n* | 9,9896 *n* | 8,7582 | 8,8865 *n* | 6,6785 |
| 1770 | 53 15,160 | − 4,3806 | 0,6416 *n* | 9,9894 *n* | 8,7613 | 8,8913 *n* | 6,6785 |
| 1780 | 52 31,102 | − 4,4311 | 0,6466 *n* | 9,9891 *n* | 8,7643 | 8,8961 *n* | 6,6785 |
| 1790 | 51 46,539 | − 4,4816 | 0,6515 *n* | 9,9889 *n* | 8,7674 | 8,9008 *n* | 6,6785 |
| 1800 | 51 1,471 | − 4,5321 | 0,6564 *n* | 9,9886 *n* | 8,7704 | 8,9054 *n* | 6,6785 |
| 1810 | 50 15,898 | − 4,5826 | 0,6612 *n* | 9,9884 *n* | 8,7735 | 8,9100 *n* | 6,6785 |
| 1820 | 49 29,820 | − 4,6331 | 0,6659 *n* | 9,9881 *n* | 8,7766 | 8,9145 *n* | 6,6785 |
| 1830 | 48 43,237 | − 4,6835 | 0,6706 *n* | 9,9878 *n* | 8,7797 | 8,9190 *n* | 6,6785 |
| 1840 | 47 56,150 | − 4,7340 | 0,6752 *n* | 9,9876 *n* | 8,7828 | 8,9234 *n* | 6,6785 |
| 1850 | 47 8,557 | − 4,7846 | 0,6798 *n* | 9,9873 *n* | 8,7859 | 8,9277 *n* | 6,6785 |

#### γ Draconis. $g' = 0{,}967$

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ″ | | | | | |
| 1750 | 51 31 44,494 | − 0,8150 | 9,9056 *n* | 9,9997 | 0,0222 | 8,4969 *n* | 8,0389 *n* |
| 1760 | 31 36,444 | − 0,7948 | 9,8945 *n* | 9,9997 | 0,0222 | 8,4858 *n* | 8,0389 *n* |
| 1770 | 31 28,597 | − 0,7746 | 9,8831 *n* | 9,9997 | 0,0222 | 8,4744 *n* | 8,0389 *n* |
| 1780 | 31 20,952 | − 0,7544 | 9,8714 *n* | 9,9997 | 0,0222 | 8,4627 *n* | 8,0389 *n* |
| 1790 | 31 13,510 | − 0,7342 | 9,8593 *n* | 9,9997 | 0,0222 | 8,4507 *n* | 8,0389 *n* |
| 1800 | 31 6,269 | − 0,7339 | 9,8470 *n* | 9,9997 | 0,0222 | 8,4383 *n* | 8,0389 *n* |
| 1810 | 30 59,231 | − 0,7137 | 9,8342 *n* | 9,9998 | 0,0222 | 8,4256 *n* | 8,0389 *n* |
| 1820 | 30 52,395 | − 0,6935 | 9,8211 *n* | 9,9998 | 0,0222 | 8,4125 *n* | 8,0389 *n* |
| 1830 | 30 45,761 | − 0,6733 | 9,8076 *n* | 9,9998 | 0,0222 | 8,3989 *n* | 8,0389 *n* |
| 1840 | 30 38,329 | − 0,6530 | 9,7936 *n* | 9,9998 | 0,0222 | 8,3850 *n* | 8,0389 *n* |
| 1850 | 30 33,100 | − 0,6328 | 9,7691 *n* | 9,9998 | 0,0222 | 8,3705 *n* | 8,0389 *n* |

# Tabula XII.

*Reductio observationum Solis.*

## Januarius.

| C | B | Mora transitus | Var. Saec. | Log. F | Tang. | Sec. | a | Log b | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ′ ″ | ″ | | — | | ″ — | — | ′ ″ | ″ | |
| 0 | 1 | 2 22,09 | −0,01 | 0,03758 | 0,426 | 1,087 | 0,32 | 6,291 | 16 17,31 | −0,04 | |
| 1 | 2 | 22,00 | 0,00 | 3732 | 0,425 | 1,086 | 0,35 | 6,290 | 17,31 | −0,03 | |
| 2 | 3 | 21,91 | 0,00 | 3703 | 0,423 | 1,086 | 0,38 | 6,289 | 17,30 | −0,02 | |
| 3 | 4 | 21,80 | 0,00 | 3673 | 0,421 | 1,085 | 0,41 | 6,288 | 17,28 | −0,01 | |
| 4 | 5 | 21,69 | 0,00 | 3640 | 0,419 | 1,084 | 0,44 | 6,286 | 17,26 | 0,00 | |
| 5 | 6 | 21,57 | 0,00 | 3604 | 0,417 | 1,083 | 0,47 | 6,285 | 17,23 | +0,01 | |
| 6 | 7 | 21,45 | 0,00 | 3566 | 0,414 | 1,082 | 0,51 | 6,283 | 17,20 | +0,01 | |
| 7 | 8 | 21,31 | 0,00 | 3527 | 0,412 | 1,081 | 0,54 | 6,281 | 17,17 | +0,02 | |
| 8 | 9 | 21,17 | 0,00 | 3485 | 0,409 | 1,080 | 0,57 | 6,279 | 17,13 | +0,03 | |
| 9 | 10 | 21,02 | +0,01 | 3442 | 0,406 | 1,079 | 0,60 | 6,277 | 17,08 | +0,04 | |
| 10 | 11 | 20,87 | +0,01 | 3397 | 0,403 | 1,078 | 0,63 | 6,275 | 17,03 | +0,05 | |
| 11 | 12 | 20,71 | +0,01 | 3350 | 0,400 | 1,077 | 0,66 | 6,272 | 16,97 | +0,06 | |
| 12 | 13 | 20,54 | +0,01 | 3301 | 0,396 | 1,076 | 0,69 | 6,269 | 16,91 | +0,07 | |
| 13 | 14 | 20,36 | +0,01 | 3250 | 0,393 | 1,075 | 0,71 | 6,266 | 16,85 | +0,08 | |
| 14 | 15 | 20,18 | +0,01 | 3197 | 0,390 | 1,074 | 0,74 | 6,263 | 16,78 | +0,09 | |
| 15 | 16 | 20,00 | +0,01 | 3143 | 0,386 | 1,073 | 0,77 | 6,260 | 16,70 | +0,09 | |
| 16 | 17 | 19,81 | +0,01 | 3087 | 0,382 | 1,071 | 0,80 | 6,257 | 16,62 | +0,10 | |
| 17 | 18 | 19,62 | +0,02 | 3029 | 0,378 | 1,070 | 0,82 | 6,254 | 16,53 | +0,11 | |
| 18 | 19 | 19,42 | +0,02 | 2972 | 0,374 | 1,068 | 0,85 | 6,251 | 16,44 | +0,12 | |
| 19 | 20 | 19,21 | +0,02 | 2913 | 0,370 | 1,067 | 0,88 | 6,247 | 16,35 | +0,13 | |
| 20 | 21 | 19,00 | +0,02 | 2853 | 0,366 | 1,065 | 0,91 | 6,243 | 16,25 | +0,14 | |
| 21 | 22 | 18,79 | +0,02 | 2791 | 0,362 | 1,064 | 0,93 | 6,239 | 16,14 | +0,15 | |
| 22 | 23 | 18,58 | +0,02 | 2729 | 0,357 | 1,062 | 0,96 | 6,235 | 16,04 | +0,15 | |
| 23 | 24 | 18,36 | +0,02 | 2666 | 0,353 | 1,061 | 0,98 | 6,231 | 15,92 | +0,16 | |
| 24 | 25 | 18,14 | +,002 | 2602 | 0,348 | 1,059 | 1,01 | 6,226 | 15,80 | +0,17 | |
| 25 | 26 | 17,92 | +0,03 | 2537 | 0,343 | 1,058 | 1,03 | 6,221 | 15,68 | +0,18 | |
| 26 | 27 | 17,69 | +0,03 | 2472 | 0,338 | 1,056 | 1,05 | 6,216 | 15,55 | +0,19 | |
| 27 | 28 | 17,47 | +0,03 | 2406 | 0,333 | 1,054 | 1,08 | 6,211 | 15,42 | +0,20 | |
| 28 | 29 | 17,24 | +0,03 | 2340 | 0,328 | 1,052 | 1,10 | 6,206 | 15,28 | +0,20 | |
| 29 | 30 | 17,01 | +0,03 | 2274 | 0,323 | 1,051 | 1,12 | 6,200 | 15,14 | +0,21 | |
| 30 | 31 | 16,78 | +0,03 | 2207 | 0,318 | 1,049 | 1,14 | 6,194 | 15,00 | +0,22 | |
| 31 | 32 | 16,55 | +0,03 | 2140 | 0,313 | 1,048 | 1,16 | 6,188 | 14,85 | +0,23 | |
| 32 | | 16,32 | +0,03 | 2074 | 0,307 | 1,046 | 1,19 | 6,182 | 14,69 | +0,23 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### Februarius.

| C | B | Mora transitus | Var. Saec. | Log. F | Tang. | Sec. | a | Log b | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ′ ″ | ″ | | — | | ″ — | — | ′ ″ | ″ | |
| 0 | 1 | 2 16,55 | +0,03 | 0,02140 | 0,313 | 1,048 | 1,16 | 6,188 | 16 14,85 | +0,23 | |
| 1 | 2 | 16,32 | +0,03 | 2074 | 0,307 | 1,046 | 1,19 | 6,182 | 14,69 | +0,23 | |
| 2 | 3 | 16,08 | +0,03 | 2007 | 0,302 | 1,045 | 1,21 | 6,176 | 14,54 | +0,24 | |
| 3 | 4 | 15,85 | +0,03 | 1940 | 0,296 | 1,043 | 1,23 | 6,169 | 14,37 | +0,25 | |
| 4 | 5 | 15,62 | +0,04 | 1874 | 0,290 | 1,042 | 1,24 | 6,162 | 14,21 | +0,26 | |
| 5 | 6 | 15,39 | +0,04 | 1808 | 0,284 | 1,040 | 1,26 | 6,154 | 14,04 | +0,26 | |
| 6 | 7 | 15,16 | +0,04 | 1742 | 0,279 | 1,039 | 1,28 | 6,147 | 13,86 | +0,27 | |
| 7 | 8 | 14,93 | +0,04 | 1676 | 0,273 | 1,037 | 1,30 | 6,139 | 13,68 | +0,28 | |
| 8 | 9 | 14,71 | +0,04 | 1611 | 0,267 | 1,035 | 1,32 | 6,131 | 13,50 | +0,29 | |
| 9 | 10 | 14,48 | +0,04 | 1547 | 0,261 | 1,033 | 1,34 | 6,122 | 13,32 | +0,29 | |
| 10 | 11 | 14,26 | +0,04 | 1483 | 0,255 | 1,032 | 1,35 | 6,113 | 13,13 | +0,30 | |
| 11 | 12 | 14,04 | +0,04 | 1420 | 0,249 | 1,030 | 1,37 | 6,104 | 12,93 | +0,31 | |
| 12 | 13 | 13,82 | +0,04 | 1358 | 0,243 | 1,029 | 1,38 | 6,094 | 12,74 | +0,31 | |
| 13 | 14 | 13,60 | +0,04 | 1297 | 0,236 | 1,028 | 1,40 | 6,084 | 12,54 | +0,32 | |
| 14 | 15 | 13,39 | +0,04 | 1237 | 0,230 | 1,027 | 1,41 | 6,074 | 12,33 | +0,33 | |
| 15 | 16 | 13,18 | +0,05 | 1178 | 0,224 | 1,025 | 1,43 | 6,063 | 12,13 | +0,33 | |
| 16 | 17 | 12,97 | +0,05 | 1119 | 0,218 | 1,024 | 1,44 | 6,052 | 11,92 | +0,34 | |
| 17 | 18 | 12,77 | +0,05 | 1062 | 0,211 | 1,022 | 1,46 | 6,040 | 11,70 | +0,35 | |
| 18 | 19 | 12,57 | +0,05 | 1006 | 0,205 | 1,020 | 1,47 | 6,028 | 11,49 | +0,35 | |
| 19 | 20 | 12,37 | +0,05 | 952 | 0,198 | 1,019 | 1,48 | 6,015 | 11,27 | +0,36 | |
| 20 | 21 | 12,18 | +0,05 | 899 | 0,192 | 1,018 | 1,49 | 6,001 | 11,04 | +0,36 | |
| 21 | 22 | 11,99 | +0,05 | 847 | 0,185 | 1,017 | 1,50 | 5,987 | 10,82 | +0,37 | |
| 22 | 23 | 11,81 | +0,05 | 796 | 0,179 | 1,016 | 1,51 | 5,972 | 10,59 | +0,37 | |
| 23 | 24 | 11,63 | +0,05 | 747 | 0,172 | 1,015 | 1,52 | 5,957 | 10,36 | +0,38 | |
| 24 | 25 | 11,45 | +0,05 | 700 | 0,166 | 1,014 | 1,53 | 5,941 | 10,13 | +0,38 | |
| 25 | 26 | 11,28 | +0,05 | 654 | 0,159 | 1,013 | 1,54 | 5,924 | 9,99 | +0,39 | |
| 26 | 27 | 11,11 | +0,05 | 610 | 0,153 | 1,012 | 1,55 | 5,906 | 9,65 | +0,40 | |
| 27 | 28 | 10,95 | +0,05 | 567 | 0,146 | 1,011 | 1,56 | 5,887 | 9,41 | +0,40 | |
| 28 | 29 | 10,80 | +0,05 | 526 | 0,139 | 1,010 | 1,57 | 5,867 | 9,16 | +0,40 | |
| 29 | 30 | 10,65 | +0,06 | 487 | 0,132 | 1,009 | 1,58 | 5,847 | 8,92 | +0,41 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### M a r t i u s.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ″ | | ∓ | | ″ | ∓ | ′ ″ | ″ | |
| 0 | 2 10,80 | + 0,06 | 0,00526 | 0,139 | 1,010 | 1,57 | 5,867 | 16 9,16 | + 0,40 | |
| 1 | 10,65 | + 0,06 | 487 | 0,132 | 1,009 | 1,58 | 5,847 | 8,92 | + 0,41 | |
| 2 | 10,50 | + 0,06 | 449 | 0,126 | 1,008 | 1,58 | 5,825 | 8,67 | + 0,41 | |
| 3 | 10,36 | + 0,06 | 413 | 0,119 | 1,007 | 1,59 | 5,802 | 8,42 | + 0,42 | |
| 4 | 10,22 | + 0,06 | 380 | 0,112 | 1,006 | 1,60 | 5,777 | 8,16 | + 0,42 | |
| 5 | 10,10 | + 0,06 | 349 | 0,105 | 1,005 | 1,60 | 5,750 | 7,91 | + 0,43 | |
| 6 | 9,97 | + 0,06 | 319 | 0,098 | 1,004 | 1,61 | 5,722 | 7,65 | + 0,43 | |
| 7 | 9,85 | + 0,06 | 291 | 0,091 | 1,004 | 1,61 | 5,692 | 7,39 | + 0,43 | |
| 8 | 9,74 | + 0,06 | 265 | 0,084 | 1,003 | 1,62 | 5,659 | 7,13 | + 0,44 | |
| 9 | 9,63 | + 0,06 | 241 | 0,077 | 1,003 | 1,62 | 5,621 | 6,87 | + 0,44 | |
| 10 | 9,53 | + 0,06 | 219 | 0,071 | 1,002 | 1,63 | 5,584 | 6,61 | + 0,44 | |
| 11 | 9,43 | + 0,06 | 198 | 0,064 | 1,002 | 1,63 | 5,540 | 6,34 | + 0,45 | |
| 12 | 9,35 | + 0,06 | 180 | 0,057 | 1,001 | 1,63 | 5,489 | 6,08 | + 0,45 | |
| 13 | 9,26 | + 0,06 | 164 | 0,050 | 1,001 | 1,64 | 5,432 | 5,81 | + 0,45 | |
| 14 | 9,18 | + 0,06 | 150 | 0,043 | 1,001 | 1,64 | 5,368 | 5,54 | + 0,46 | |
| 15 | 9,11 | + 0,06 | 138 | 0,036 | 1,001 | 1,64 | 5,292 | 5,27 | + 0,46 | |
| 16 | 9,05 | + 0,06 | 128 | 0,029 | 1,000 | 1,64 | 5,200 | 5,00 | + 0,46 | |
| 17 | 8,99 | + 0,06 | 121 | 0,022 | 1,000 | 1,64 | 5,084 | 4,73 | + 0,46 | |
| 18 | 8,93 | + 0,06 | 115 | 0,016 | 1,000 | 1,64 | 4,924 | 4,45 | + 0,47 | |
| 19 | 8,89 | + 0,06 | 111 | 0,009 | 1,000 | 1,64 | 4,668 | 4,18 | + 0,47 | |
| 20 | 8,84 | + 0,06 | 110 | 0,003 | 1,000 | 1,64 | 3,964 | 3,90 | + 0,47 | |
| 21 | 8,81 | + 0,06 | 110 | 0,004 | 1,000 | 1,64 | 4,450 | 3,63 | + 0,47 | |
| 22 | 8,78 | + 0,06 | 113 | 0,012 | 1,000 | 1,64 | 4,816 | 3,35 | + 0,47 | |
| 23 | 8,76 | + 0,06 | 117 | 0,019 | 1,000 | 1,63 | 5,011 | 3,07 | + 0,48 | |
| 24 | 8,74 | + 0,06 | 124 | 0,026 | 1,000 | 1,63 | 5,146 | 2,80 | + 0,48 | |
| 25 | 8,73 | + 0,06 | 132 | 0,033 | 1,001 | 1,63 | 5,248 | 2,52 | + 0,48 | |
| 26 | 8,72 | + 0,06 | 143 | 0,040 | 1,001 | 1,63 | 5,330 | 2,24 | + 0,48 | |
| 27 | 8,72 | + 0,06 | 156 | 0,047 | 1,001 | 1,62 | 5,399 | 1,96 | + 0,48 | |
| 28 | 8,73 | + 0,06 | 171 | 0,054 | 1,001 | 1,62 | 5,459 | 1,69 | + 0,48 | |
| 29 | 8,74 | + 0,06 | 188 | 0,060 | 1,002 | 1,62 | 5,511 | 1,41 | + 0,48 | |
| 30 | 8,76 | + 0,06 | 206 | 0,067 | 1,002 | 1,61 | 5,557 | 1,13 | + 0,48 | |
| 31 | 8,79 | + 0,06 | 227 | 0,074 | 1,003 | 1,61 | 5,599 | 0,85 | + 0,48 | |
| 32 | 8,82 | + 0,06 | 250 | 0,081 | 1,003 | 1,60 | 5,637 | 0,58 | + 0,48 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### A p r i l i s.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | + | | — | + | | | |
| | ′ ″ | ″ | | | | | | ′ ″ | ″ | |
| 0 | 2 8.79 | + 0,06 | 0,00227 | 0,074 | 1,003 | 1,61 | 5,599 | 16 0,85 | + 0,48 | |
| 1 | 8,82 | + 0,06 | 250 | 0,081 | 1,003 | 1,60 | 5,637 | 0,58 | + 0,48 | |
| 2 | 8,85 | + 0,06 | 275 | 0,087 | 1,004 | 1,59 | 5,672 | 0,30 | + 0,48 | |
| 3 | 8,89 | + 0,06 | 300 | 0,094 | 1,005 | 1,59 | 5,704 | 0,02 | + 0,48 | |
| 4 | 8,94 | + 0,06 | 329 | 0,101 | 1,005 | 1,58 | 5,733 | 15 59,75 | + 0,48 | |
| 5 | 8,98 | + 0,06 | 359 | 0,108 | 1,006 | 1,57 | 5,761 | 59,47 | + 0,48 | |
| 6 | 9,05 | + 0,06 | 391 | 0,114 | 1 006 | 1,57 | 5,786 | 59,20 | + 0,48 | |
| 7 | 9,11 | + 0,06 | 424 | 0,121 | 1,007 | 1,56 | 5,810 | 58,92 | + 0,48 | |
| 8 | 9,18 | + 0,06 | 459 | 0,128 | 1,008 | 1,55 | 5,833 | 58,65 | + 0,48 | |
| 9 | 9,25 | + 0,06 | 496 | 0,135 | 1,009 | 1,54 | 5,854 | 58,38 | + 0,48 | |
| 10 | 9,43 | + 0,06 | 535 | 0,141 | 1,010 | 1,53 | 5,874 | 58,10 | + 0,48 | |
| 11 | 9,41 | + 0,06 | 575 | 0,148 | 1,011 | 1,52 | 5,892 | 57,83 | + 0,48 | |
| 12 | 9,53 | + 0,06 | 617 | 0,154 | 1,012 | 1,51 | 5,909 | 57,56 | + 0,48 | |
| 13 | 9,60 | + 0,06 | 660 | 0,161 | 1,013 | 1,50 | 5,925 | 57.30 | + 0,47 | |
| 14 | 9,69 | + 0,06 | 705 | 0,167 | 1,014 | 1,49 | 5,941 | 57,03 | + 0,47 | |
| 15 | 9,80 | + 0,06 | 752 | 0,174 | 1,015 | 1,48 | 5,956 | 56,76 | + 0,47 | |
| 16 | 9,90 | + 0,06 | 799 | 0,180 | 1,016 | 1,47 | 5,972 | 56,50 | + 0,47 | |
| 17 | 10,01 | + 0,06 | 848 | 0,186 | 1,017 | 1,46 | 5,987 | 56,24 | + 0,47 | |
| 18 | 10,13 | + 0,06 | 899 | 0,192 | 1,018 | 1,45 | 6,002 | 55,98 | + 0,46 | |
| 19 | 10,25 | + 0,06 | 950 | 0,199 | 1,019 | 1,43 | 6,015 | 55,72 | + 0,46 | |
| 20 | 10,37 | + 0,06 | 1003 | 0,205 | 1,020 | 1,42 | 6,027 | 55,46 | + 0,46 | |
| 21 | 10,50 | + 0,06 | 1057 | 0,211 | 1,021 | 1,40 | 6,039 | 55,21 | + 0,46 | |
| 22 | 10,63 | + 0,06 | 1112 | 0,217 | 1,023 | 1,39 | 6,051 | 54,95 | + 0,46 | |
| 23 | 10,76 | + 0,06 | 1168 | 0,223 | 1,024 | 1,38 | 6.061 | 54,70 | + 0,45 | |
| 24 | 10,90 | + 0,06 | 1224 | 0,229 | 1,026 | 1,36 | 6,071 | 54,45 | + 0,45 | |
| 25 | 11,03 | + 0,06 | 1282 | 0,235 | 1,027 | 1,35 | 6,082 | 54,20 | + 0,45 | |
| 26 | 11,18 | + 0,06 | 1341 | 0,241 | 1,029 | 1,34 | 6,092 | 53,95 | + 0,44 | |
| 27 | 11,33 | + 0,06 | 1400 | 0,247 | 1,030 | 1,32 | 6,101 | 53,71 | + 0,44 | |
| 28 | 11,48 | + 0,06 | 1460 | 0,253 | 1,032 | 1,30 | 6,110 | 53,47 | + 0,44 | |
| 29 | 11,63 | + 0,06 | 1521 | 0,259 | 1,033 | 1,29 | 6,119 | 53,23 | + 0,43 | |
| 30 | 11,78 | + 0,06 | 1583 | 0,264 | 1,034 | 1,27 | 6,127 | 52,99 | + 0,43 | |
| 31 | 11,94 | + 0,06 | 1644 | 0,270 | 1,036 | 1,25 | 6,135 | 52,76 | + 0,43 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### M a j u s.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ″ | | + | | ″ — | + | ′ ″ | ″ | |
| 0 | 2 11,78 | + 0,06 | 0,01583 | 0,264 | 1,034 | 1,27 | 6,127 | 15 52,99 | + 0,43 | |
| 1 | 11,94 | + 0,06 | 1644 | 0,270 | 1,036 | 1,25 | 6,135 | 52,76 | + 0,43 | |
| 2 | 12,09 | + 0,06 | 1707 | 0,276 | 1,037 | 1,24 | 6,143 | 52,53 | + 0,42 | |
| 3 | 12,25 | + 0,06 | 1769 | 0,282 | 1,038 | 1,22 | 6,150 | 52,30 | + 0,42 | |
| 4 | 12,41 | + 0,06 | 1832 | 0,287 | 1,040 | 1,20 | 6,158 | 52,07 | + 0,41 | |
| 5 | 12,58 | + 0,06 | 1895 | 0,293 | 1,041 | 1,18 | 6,164 | 51,85 | + 0,41 | |
| 6 | 12,74 | + 0,06 | 1959 | 0,298 | 1,043 | 1,16 | 6,171 | 51,63 | + 0,41 | |
| 7 | 12,90 | + 0,06 | 2022 | 0,303 | 1,044 | 1,14 | 6,177 | 51,41 | + 0,40 | |
| 8 | 13,07 | + 0,06 | 2086 | 0,308 | 1,046 | 1,12 | 6,184 | 51,20 | + 0,40 | |
| 9 | 13,26 | + 0,05 | 2150 | 0,313 | 1,047 | 1,10 | 6,189 | 50,98 | + 0,39 | |
| 10 | 13,40 | + 0,05 | 2213 | 0,318 | 1,049 | 1,08 | 6,195 | 50,77 | + 0,39 | |
| 11 | 13,56 | + 0,05 | 2276 | 0,323 | 1,051 | 1,06 | 6,200 | 50,57 | + 0,38 | |
| 12 | 13,73 | + 0,05 | 2339 | 0,328 | 1,053 | 1,04 | 6,206 | 50,36 | + 0,38 | |
| 13 | 13,89 | + 0,05 | 2402 | 0,333 | 1,054 | 1,02 | 6,211 | 50,16 | + 0,37 | |
| 14 | 14,06 | + 0,05 | 2464 | 0,338 | 1,055 | 1,00 | 6,216 | 49,97 | + 0,37 | |
| 15 | 14,22 | + 0,05 | 2526 | 0,343 | 1,057 | 0,98 | 6,220 | 49,77 | + 0,36 | |
| 16 | 14,38 | + 0,05 | 2587 | 0,347 | 1,058 | 0,96 | 6,225 | 49,58 | + 0,36 | |
| 17 | 14,54 | + 0,05 | 2647 | 0,352 | 1,059 | 0,93 | 6,229 | 49,40 | + 0,35 | |
| 18 | 14,70 | + 0,05 | 2707 | 0,356 | 1,061 | 0,91 | 6,233 | 49,21 | + 0,35 | |
| 19 | 14,86 | + 0,05 | 2766 | 0,360 | 1,063 | 0,89 | 6,238 | 49,03 | + 0,34 | |
| 20 | 15,01 | + 0,05 | 2824 | 0,364 | 1,064 | 0,86 | 6,242 | 48,86 | + 0,33 | |
| 21 | 15,17 | + 0,05 | 2882 | 0,368 | 1,065 | 0,84 | 6,245 | 48,68 | + 0,33 | |
| 22 | 15,32 | + 0,05 | 2938 | 0,372 | 1,067 | 0,82 | 6,248 | 48,51 | + 0,32 | |
| 23 | 15,47 | + 0,05 | 2993 | 0,376 | 1,068 | 0,79 | 6,252 | 48,35 | + 0,32 | |
| 24 | 15,61 | + 0,04 | 3047 | 0,380 | 1,070 | 0,77 | 6,255 | 48,19 | + 0,31 | |
| 25 | 15,76 | + 0,04 | 3100 | 0,384 | 1,071 | 0,74 | 6,258 | 48,03 | + 0,31 | |
| 26 | 15,90 | + 0,04 | 3152 | 0,387 | 1,072 | 0,72 | 6,261 | 47,87 | + 0,30 | |
| 27 | 16,03 | + 0,04 | 3202 | 0,390 | 1,073 | 0,69 | 6,264 | 47,72 | + 0,29 | |
| 28 | 16,16 | + 0,04 | 3251 | 0,394 | 1,075 | 0,67 | 6,267 | 47,57 | + 0,29 | |
| 29 | 16,29 | + 0,04 | 3299 | 0,397 | 1,076 | 0,64 | 6,269 | 47,43 | + 0,28 | |
| 30 | 16,42 | + 0,04 | 3345 | 0,400 | 1,077 | 0,62 | 6,272 | 47,29 | + 0,27 | |
| 31 | 16,54 | + 0,04 | 3389 | 0,403 | 1,078 | 0,59 | 6,274 | 47,15 | + 0,27 | |
| 32 | 16,65 | + 0,04 | 3432 | 0,406 | 1,079 | 0,56 | 6,276 | 47,02 | + 0,26 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### J u n i u s.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | + | | ∓ | + | | | |
| | ′ ″ | ″ | | | | ′ | | ′ ″ | ″ | |
| 0 | 2 16,54 | + 0,04 | 0,03389 | 0,403 | 1,078 | 0,59 | 6,274 | 15 47,15 | + 0,27 | |
| 1 | 16,65 | + 0,04 | 3432 | 0,406 | 1,079 | 0,56 | 6,276 | 47,02 | + 0,26 | |
| 2 | 16,76 | + 0,04 | 3473 | 0,409 | 1,080 | 0,54 | 6,278 | 46,89 | + 0,26 | |
| 3 | 16,87 | + 0,04 | 3512 | 0,412 | 1,081 | 0,51 | 6,280 | 46,77 | + 0,25 | |
| 4 | 16,97 | + 0,03 | 3550 | 0,414 | 1,082 | 0,48 | 6,282 | 46,65 | + 0,24 | |
| 5 | 17,07 | + 0,03 | 3585 | 0,416 | 1,083 | 0,45 | 6,284 | 46,53 | + 0,23 | |
| 6 | 17,16 | + 0,03 | 3619 | 0,418 | 1,084 | 0,43 | 6,285 | 46,42 | + 0,23 | |
| 7 | 17,24 | + 0,03 | 3651 | 0,420 | 1,085 | 0,40 | 6,287 | 46,32 | + 0,22 | |
| 8 | 17,32 | + 0,03 | 3681 | 0,422 | 1,085 | 0,37 | 6,288 | 46,21 | + 0,21 | |
| 9 | 17,39 | + 0,03 | 3708 | 0,424 | 1,086 | 0,34 | 6,290 | 46,11 | + 0,21 | |
| 10 | 17,46 | + 0,03 | 3734 | 0,426 | 1,086 | 0,32 | 6,291 | 46,02 | + 0,20 | |
| 11 | 17,52 | + 0,03 | 3758 | 0,427 | 1,087 | 0,29 | 6,292 | 45,93 | + 0,19 | |
| 12 | 17,58 | + 0,03 | 3779 | 0,428 | 1,087 | 0,26 | 6,293 | 45,84 | + 0,18 | |
| 13 | 17,63 | + 0,03 | 3799 | 0,429 | 1,088 | 0,23 | 6,294 | 45,76 | + 0,18 | |
| 14 | 17,67 | + 0,02 | 3816 | 0,430 | 1,088 | 0,20 | 6,294 | 45,68 | + 0,17 | |
| 15 | 17,71 | + 0,02 | 3831 | 0,431 | 1,089 | 0,18 | 6,295 | 45,61 | + 0,16 | |
| 16 | 17,74 | + 0,02 | 3844 | 0,432 | 1,090 | 0,15 | 6,295 | 45,54 | + 0,16 | |
| 17 | 17,76 | + 0,02 | 3855 | 0,433 | 1,090 | 0,12 | 6,296 | 45,47 | + 0,15 | |
| 18 | 17,78 | + 0,02 | 3863 | 0,433 | 1,050 | 0,09 | 6,296 | 45,41 | + 0,14 | |
| 19 | 17,79 | + 0,02 | 3869 | 0,433 | 1,090 | 0,06 | 6,297 | 45,36 | + 0,13 | |
| 20 | 17,80 | + 0,02 | 3873 | 0,434 | 1,090 | 0,03 | 6,297 | 45,31 | + 0,13 | |
| 21 | 17,79 | + 0,02 | 3874 | 0,434 | 1,090 | 0,00 | 6,297 | 45,26 | + 0,12 | |
| 22 | 17,78 | + 0,02 | 3873 | 0,434 | 1,090 | 0,02 | 6,297 | 45,22 | + 0,11 | |
| 23 | 17,77 | + 0,01 | 3870 | 0,434 | 1,090 | 0,05 | 6,297 | 45,18 | + 0,10 | |
| 24 | 17,75 | + 0,01 | 3865 | 0,434 | 1,090 | 0,08 | 6,296 | 45,14 | + 0,10 | |
| 25 | 17,72 | + 0,01 | 3857 | 0,433 | 1,090 | 0,11 | 6,296 | 45,11 | + 0,09 | |
| 26 | 17,68 | + 0,01 | 3847 | 0,433 | 1,090 | 0,14 | 6,296 | 45,09 | + 0,08 | |
| 27 | 17,64 | + 0,01 | 3835 | 0,432 | 1,089 | 0,17 | 6,295 | 45,07 | + 0,07 | |
| 28 | 17,59 | + 0,01 | 3821 | 0,431 | 1,089 | 0,20 | 6,294 | 45,05 | + 0,06 | |
| 29 | 17,54 | + 0,01 | 3804 | 0,430 | 1,088 | 0,22 | 6,294 | 45,04 | + 0,06 | |
| 30 | 17,48 | + 0,01 | 3785 | 0,429 | 1,088 | 0,25 | 6,293 | 45,03 | + 0,05 | |
| 31 | 17,41 | + 0,01 | 3764 | 0,428 | 1,087 | 0,28 | 6,292 | 45,03 | + 0,04 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### J u l i u s.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | + | | + | + | | | |
| | ′ ″ | ″ | | | | ″ | | ′ ″ | ″ | |
| 0 | 2 17,48 | + 0,01 | 0,03785 | 0,429 | 1,088 | 0,25 | 6,293 | 15 45,03 | + 0,05 | |
| 1 | 17,41 | + 0,01 | 3764 | 0,428 | 1,087 | 0,28 | 6,292 | 45,03 | + 0,04 | |
| 2 | 17,34 | 0,00 | 3741 | 0,426 | 1,086 | 0,31 | 6,291 | 45,03 | + 0,03 | |
| 3 | 17,26 | 0,00 | 3716 | 0,424 | 1,086 | 0,34 | 6,290 | 45,04 | + 0,03 | |
| 4 | 17,18 | 0,00 | 3689 | 0,422 | 1,085 | 0,36 | 6,288 | 45,05 | + 0,02 | |
| 5 | 17,09 | 0,00 | 3660 | 0,420 | 1,084 | 0,39 | 6,287 | 45,06 | + 0,01 | |
| 6 | 16,99 | 0,00 | 3629 | 0,418 | 1,083 | 0,42 | 6,286 | 45,08 | 0,00 | |
| 7 | 16,89 | 0,00 | 3596 | 0,416 | 1,083 | 0,45 | 6,284 | 45,11 | — 0,01 | |
| 8 | 16,79 | 0,00 | 3561 | 0,414 | 1,082 | 0,47 | 6,283 | 45,14 | — 0,01 | |
| 9 | 16,67 | 0,00 | 3524 | 0,412 | 1,081 | 0,50 | 6,281 | 45,17 | — 0,02 | |
| 10 | 16,56 | 0,00 | 3485 | 0,409 | 1,080 | 0,52 | 6,279 | 45,21 | — 0,03 | |
| 11 | 16,44 | — 0,01 | 3445 | 0,407 | 1,079 | 0,55 | 6,277 | 45,25 | — 0,04 | |
| 12 | 16,31 | — 0,01 | 3403 | 0,404 | 1,078 | 0,58 | 6,275 | 45,29 | — 0,04 | |
| 13 | 16,18 | — 0,01 | 3359 | 0,401 | 1,077 | 0,60 | 6,272 | 45,34 | — 0,05 | |
| 14 | 16,05 | — 0,01 | 3314 | 0,398 | 1,076 | 0,63 | 6,270 | 45,40 | — 0,06 | |
| 15 | 15,91 | — 0,01 | 3267 | 0,395 | 1,075 | 0,66 | 6,268 | 45,46 | — 0,07 | |
| 16 | 15,77 | — 0,01 | 3219 | 0,392 | 1,074 | 0,68 | 6,265 | 45,52 | — 0,08 | |
| 17 | 15,62 | — 0,01 | 3169 | 0,388 | 1,073 | 0,71 | 6,262 | 45,59 | — 0,08 | |
| 18 | 15,48 | — 0,01 | 3119 | 0,385 | 1,072 | 0,73 | 6,259 | 45,66 | — 0,09 | |
| 19 | 15,32 | — 0,01 | 3066 | 0,381 | 1,070 | 0,76 | 6,256 | 45,74 | — 0,10 | |
| 20 | 15,17 | — 0,02 | 3013 | 0,378 | 1,069 | 0,78 | 6,253 | 45,82 | — 0,11 | |
| 21 | 15,01 | — 0,02 | 2958 | 0,374 | 1,068 | 0,80 | 6,250 | 45,91 | — 0,11 | |
| 22 | 14,85 | — 0,02 | 2903 | 0,370 | 1,067 | 0,83 | 6,246 | 46,00 | — 0,12 | |
| 23 | 14,69 | — 0,02 | 2846 | 0,366 | 1,065 | 0,85 | 6,243 | 46,09 | — 0,13 | |
| 24 | 14,52 | — 0,02 | 2789 | 0,362 | 1,064 | 0,87 | 6,239 | 46,19 | — 0,14 | |
| 25 | 14,36 | — 0,02 | 2730 | 0,358 | 1,062 | 0,90 | 6,234 | 46,29 | — 0,14 | |
| 26 | 14,19 | — 0,02 | 2671 | 0,354 | 1,061 | 0,92 | 6,230 | 46,40 | — 0,15 | |
| 27 | 14,02 | — 0,02 | 2611 | 0,349 | 1,059 | 0,94 | 6,226 | 46,51 | — 0,16 | |
| 28 | 13,85 | — 0,02 | 2550 | 0,345 | 1,058 | 0,96 | 6,222 | 46,62 | — 0,17 | |
| 29 | 13,68 | — 0,02 | 2489 | 0,340 | 1,056 | 0,98 | 6,217 | 46,74 | — 0,17 | |
| 30 | 13,51 | — 0,03 | 2428 | 0,335 | 1,055 | 1,00 | 6,213 | 46,86 | — 0,18 | |
| 31 | 13,33 | — 0,03 | 2366 | 0,330 | 1,053 | 1,03 | 6,208 | 46,99 | — 0,19 | |
| 32 | 13,16 | — 0,03 | 2303 | 0,325 | 1,052 | 1,05 | 6,203 | 47,12 | — 0,20 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### Augustus.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ″ | | + | | + | + | ′ ″ | ″ | |
| 0 | 2 13,33 | — 0,03 | 0,02366 | 0,330 | 1,053 | 1,03 | 6,208 | 15 46,99 | — 0,19 | |
| 1 | 13,16 | — 0,03 | 2303 | 0,325 | 1,052 | 1,05 | 6,203 | 47,12 | — 0,20 | |
| 2 | 12,99 | — 0,03 | 2241 | 0,320 | 1,050 | 1,07 | 6,197 | 47,25 | — 0,20 | |
| 3 | 12,82 | — 0,03 | 2178 | 0,315 | 1,049 | 1,09 | 6,192 | 47,39 | — 0,21 | |
| 4 | 12,64 | — 0,03 | 2115 | 0,310 | 1,047 | 1,11 | 6,186 | 47,54 | — 0,22 | |
| 5 | 12,47 | — 0,03 | 2052 | 0,305 | 1,046 | 1,13 | 6,180 | 47,68 | — 0,22 | |
| 6 | 12,30 | — 0,03 | 1989 | 0,300 | 1,044 | 1,14 | 6,174 | 47,83 | — 0,23 | |
| 7 | 12,13 | — 0,03 | 1926 | 0,295 | 1,043 | 1,16 | 6,167 | 47,99 | — 0,24 | |
| 8 | 11,96 | — 0,03 | 1863 | 0,289 | 1,041 | 1,18 | 6,161 | 48,14 | — 0,24 | |
| 9 | 11,79 | — 0,03 | 1800 | 0,284 | 1,040 | 1,20 | 6,154 | 48,31 | — 0,25 | |
| 10 | 11,63 | — 0,04 | 1738 | 0,278 | 1,038 | 1,22 | 6,147 | 48,47 | — 0,26 | |
| 11 | 11,46 | — 0,04 | 1676 | 0,273 | 1,037 | 1,23 | 6,140 | 48,64 | — 0,26 | |
| 12 | 11,30 | — 0,04 | 1614 | 0,267 | 1,035 | 1,25 | 6,132 | 48,81 | — 0,27 | |
| 13 | 11,14 | — 0,04 | 1552 | 0,262 | 1,034 | 1,27 | 6,124 | 48,99 | — 0,28 | |
| 14 | 10,98 | — 0,04 | 1491 | 0,256 | 1,032 | 1,28 | 6,115 | 49,17 | — 0,28 | |
| 15 | 10,82 | — 0,04 | 1432 | 0,250 | 1,031 | 1,30 | 6,106 | 49,35 | — 0,29 | |
| 16 | 10,67 | — 0,04 | 1373 | 0,244 | 1,029 | 1,31 | 6,097 | 49,54 | — 0,30 | |
| 17 | 10,52 | — 0,04 | 1315 | 0,239 | 1,028 | 1,33 | 6,088 | 49,73 | — 0,30 | |
| 18 | 10,38 | — 0,04 | 1257 | 0,233 | 1,027 | 1,34 | 6,078 | 49,92 | — 0,31 | |
| 19 | 10,23 | — 0,04 | 1200 | 0,227 | 1,026 | 1,36 | 6,068 | 50,11 | — 0,32 | |
| 20 | 10,09 | — 0,04 | 1144 | 0,221 | 1,024 | 1,37 | 6,057 | 50,31 | — 0,32 | |
| 21 | 9,95 | — 0,04 | 1089 | 0,215 | 1,023 | 1,38 | 6,046 | 50,52 | — 0,33 | |
| 22 | 9,82 | — 0,05 | 1035 | 0,209 | 1,022 | 1,40 | 6,034 | 50,72 | — 0,33 | |
| 23 | 9,69 | — 0,05 | 982 | 0,203 | 1,021 | 1,41 | 6,022 | 50,93 | — 0,34 | |
| 24 | 9,56 | — 0,05 | 930 | 0,196 | 1,019 | 1,42 | 6,010 | 51,14 | — 0,34 | |
| 25 | 9,44 | — 0,05 | 880 | 0,190 | 1,018 | 1,44 | 5,997 | 51,36 | — 0,35 | |
| 26 | 9,33 | — 0,05 | 830 | 0,184 | 1,017 | 1,45 | 5,984 | 51,57 | — 0,36 | |
| 27 | 9,21 | — 0,05 | 782 | 0,178 | 1,016 | 1,46 | 5,970 | 51,79 | — 0,36 | |
| 28 | 9,10 | — 0,05 | 736 | 0,171 | 1,015 | 1,47 | 5,955 | 52,02 | — 0,37 | |
| 29 | 9,00 | — 0,05 | 690 | 0,165 | 1,013 | 1,48 | 5,939 | 52,24 | — 0,37 | |
| 30 | 8,90 | — 0,05 | 646 | 0,158 | 1,012 | 1,49 | 5,923 | 52,47 | — 0,38 | |
| 31 | 8,81 | — 0,05 | 604 | 0,152 | 1,011 | 1,50 | 5,905 | 52,70 | — 0,38 | |
| 32 | 8,72 | — 0,05 | 563 | 0,145 | 1,010 | 1,51 | 5,887 | 52,94 | — 0,39 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### September.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ″ | | ± | | + ″ | ± | ′ ″ | ″ | |
| 0 | 2 8,81 | —0,05 | 0,00604 | 0,152 | 1,011 | 1,50 | 5,905 | 15 52,70 | —0,38 | |
| 1 | 8,72 | —0,05 | 563 | 0,145 | 1,010 | 1,51 | 5,887 | 52,94 | —0,39 | |
| 2 | 8,63 | —0,05 | 524 | 0,139 | 1,009 | 1,52 | 5,868 | 53,17 | —0,39 | |
| 3 | 8,55 | —0,05 | 486 | 0,132 | 1,008 | 1,53 | 5,848 | 53,41 | —0,40 | |
| 4 | 8,48 | —0,05 | 450 | 0,126 | 1,007 | 1,54 | 5,826 | 53,65 | —0,40 | |
| 5 | 8,41 | —0,05 | 415 | 0,119 | 1,007 | 1,54 | 5,804 | 53,89 | —0,41 | |
| 6 | 8,34 | —0,06 | 382 | 0,113 | 1,006 | 1,55 | 5,780 | 54,14 | —0,41 | |
| 7 | 8,28 | —0,06 | 351 | 0,106 | 1,005 | 1,56 | 5,755 | 54,39 | —0,41 | |
| 8 | 8,23 | —0,06 | 322 | 0,100 | 1,004 | 1,56 | 5,727 | 54,64 | —0,42 | |
| 9 | 8,18 | —0,06 | 294 | 0,093 | 1,004 | 1,57 | 5,697 | 54,89 | —0,42 | |
| 10 | 8,14 | —0,06 | 268 | 0,087 | 1,003 | 1,58 | 5,666 | 55,14 | —0,43 | |
| 11 | 8,10 | —0,06 | 245 | 0,080 | 1,003 | 1,58 | 5,632 | 55,40 | —0,43 | |
| 12 | 8,07 | —0,06 | 222 | 0,073 | 1,002 | 1,59 | 5,594 | 55,65 | —0,43 | |
| 13 | 8,05 | —0,06 | 202 | 0,066 | 1,002 | 1,59 | 5,551 | 55,91 | —0,44 | |
| 14 | 8,03 | —0,06 | 184 | 0,060 | 1,002 | 1,60 | 5,504 | 56,17 | —0,44 | |
| 15 | 8,02 | —0,06 | 168 | 0,053 | 1,001 | 1,60 | 5,452 | 56,43 | —0,44 | |
| 16 | 8,01 | —0,06 | 153 | 0,046 | 1,001 | 1,61 | 5,393 | 56,70 | —0,45 | |
| 17 | 8,01 | —0,06 | 141 | 0,039 | 1,001 | 1,61 | 5,323 | 56,96 | —0,45 | |
| 18 | 8,01 | —0,06 | 131 | 0,032 | 1,000 | 1,61 | 5,240 | 57,23 | —0,45 | |
| 19 | 8,03 | —0,06 | 122 | 0,025 | 1,000 | 1,61 | 5,136 | 57,50 | —0,46 | |
| 20 | 8,04 | —0,06 | 116 | 0,018 | 1,000 | 1,62 | 5,001 | 57,77 | —0,46 | |
| 21 | 8,07 | —0,06 | 111 | 0,011 | 1,000 | 1,62 | 4,801 | 58,04 | —0,46 | |
| 22 | 8,09 | —0,06 | 109 | 0,004 | 1,000 | 1,62 | 4,421 | 58,31 | —0,46 | |
| 23 | 8,13 | —0,06 | 109 | 0,003 | 1,000 | 1,62 | 4,025 | 58,58 | —0,47 | |
| 24 | 8,17 | —0,06 | 110 | 0,010 | 1,000 | 1,62 | 4,677 | 58,85 | —0,47 | |
| 25 | 8,22 | —0,06 | 114 | 0,016 | 1,000 | 1,62 | 4,927 | 59,13 | —0,47 | |
| 26 | 8,27 | —0,06 | 119 | 0,023 | 1,000 | 1,62 | 5,084 | 59,40 | —0,47 | |
| 27 | 8,33 | —0,06 | 127 | 0,030 | 1,000 | 1,62 | 5,199 | 59,68 | —0,47 | |
| 28 | 8,40 | —0,06 | 137 | 0,037 | 1,001 | 1,62 | 5,290 | 59,95 | —0,48 | |
| 29 | 8,47 | —0,06 | 149 | 0,043 | 1,001 | 1,62 | 5,366 | 16 0,23 | —0,48 | |
| 30 | 8,55 | —0,06 | 162 | 0,050 | 1,001 | 1,62 | 5,428 | 0,51 | —0,48 | |
| 31 | 8,63 | —0,06 | 178 | 0,057 | 1,002 | 1,61 | 5,484 | 0,78 | —0,48 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### October.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ″ | | — | | + ″ | — | ′ ″ | ″ | |
| 0 | 2 8,55 | — 0,06 | 0,00162 | 0,050 | 1,001 | 1,62 | 5,428 | 16 0,51 | — 0,48 | |
| 1 | 8,63 | — 0,06 | 178 | 0,057 | 1,002 | 1,61 | 5,484 | 0,78 | — 0,48 | |
| 2 | 8,72 | — 0,06 | 196 | 0,064 | 1,002 | 1,61 | 5,533 | 1,06 | — 0,48 | |
| 3 | 8,82 | — 0,06 | 216 | 0,070 | 1,002 | 1,61 | 5,578 | 1,34 | — 0,48 | |
| 4 | 8,91 | — 0,06 | 237 | 0,077 | 1,003 | 1,61 | 5,618 | 1,62 | — 0,48 | |
| 5 | 9,03 | — 0,07 | 261 | 0,084 | 1,003 | 1,60 | 5,655 | 1,89 | — 0,48 | |
| 6 | 9,14 | — 0,07 | 287 | 0,091 | 1,004 | 1,60 | 5,688 | 2,17 | — 0,48 | |
| 7 | 9,26 | — 0,07 | 314 | 0,097 | 1,005 | 1,59 | 5,718 | 2,45 | — 0,49 | |
| 8 | 9,38 | — 0,07 | 344 | 0,104 | 1,005 | 1,58 | 5,749 | 2,73 | — 0,49 | |
| 9 | 9,51 | — 0,07 | 375 | 0,111 | 1,006 | 1,58 | 5,779 | 3,00 | — 0,49 | |
| 10 | 9,65 | — 0,07 | 408 | 0,118 | 1,007 | 1,57 | 5,801 | 3,28 | — 0,49 | |
| 11 | 9,79 | — 0,07 | 443 | 0,124 | 1,008 | 1,57 | 5,822 | 3,56 | — 0,49 | |
| 12 | 9,94 | — 0,07 | 480 | 0,131 | 1,009 | 1,56 | 5,844 | 3,83 | — 0,49 | |
| 13 | 10,09 | — 0,07 | 518 | 0,138 | 1,009 | 1,55 | 5,865 | 4,11 | — 0,48 | |
| 14 | 10,25 | — 0,07 | 558 | 0,145 | 1,010 | 1,55 | 5,884 | 4,38 | — 0,48 | |
| 15 | 10,41 | — 0,07 | 600 | 0,151 | 1,011 | 1,54 | 5,903 | 4,66 | — 0,48 | |
| 16 | 10,58 | — 0,07 | 644 | 0,158 | 1,012 | 1,53 | 5,921 | 4,93 | — 0,48 | |
| 17 | 10,75 | — 0,07 | 689 | 0,164 | 1,013 | 1,52 | 5,938 | 5,20 | — 0,48 | |
| 18 | 10,93 | — 0,07 | 736 | 0,171 | 1,015 | 1,51 | 5,954 | 5,47 | — 0,48 | |
| 19 | 11,11 | — 0,06 | 784 | 0,177 | 1,016 | 1,50 | 5,969 | 5,74 | — 0,48 | |
| 20 | 11,30 | — 0,06 | 833 | 0,184 | 1,017 | 1,49 | 5,984 | 6,01 | — 0,48 | |
| 21 | 11,49 | — 0,06 | 884 | 0,190 | 1,018 | 1,48 | 5,998 | 6,28 | — 0,48 | |
| 22 | 11,68 | — 0,06 | 937 | 0,197 | 1,019 | 1,47 | 6,011 | 6,54 | — 0,47 | |
| 23 | 11,88 | — 0,06 | 991 | 0,203 | 1,020 | 1,46 | 6,024 | 6,80 | — 0,47 | |
| 24 | 12,08 | — 0,06 | 1045 | 0,210 | 1,022 | 1,44 | 6,036 | 7,07 | — 0,47 | |
| 25 | 12,29 | — 0,06 | 1101 | 0,216 | 1,023 | 1,43 | 6,048 | 7,33 | — 0,47 | |
| 26 | 12,50 | — 0,06 | 1159 | 0,222 | 1,025 | 1,42 | 6,059 | 7,59 | — 0,47 | |
| 27 | 12,71 | — 0,06 | 1217 | 0,228 | 1,026 | 1,41 | 6,070 | 7,84 | — 0,46 | |
| 28 | 12,93 | — 0,06 | 1277 | 0,235 | 1,027 | 1,39 | 6,081 | 8,10 | — 0,46 | |
| 29 | 13,15 | — 0,06 | 1337 | 0,241 | 1,028 | 1,38 | 6,091 | 8,35 | — 0,46 | |
| 30 | 13,37 | — 0,06 | 1398 | 0,247 | 1,030 | 1,36 | 6,101 | 8,61 | — 0,45 | |
| 31 | 13,60 | — 0,06 | 1460 | 0,253 | 1,031 | 1,35 | 6,110 | 8,85 | — 0,45 | |
| 32 | 13,83 | — 0,06 | 1523 | 0,259 | 1,032 | 1,33 | 6,119 | 9,10 | — 0,45 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### November.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | — | | + | — | | | |
| | ′ ″ | ″ | | | | | | ′ ″ | ″ | |
| 0 | 2 13,60 | — 0,06 | 0,01460 | 0,253 | 1,031 | 1,35 | 6,110 | 16 8,85 | — 0,45 | |
| 1 | 13,83 | — 0,06 | 1523 | 0,259 | 1,032 | 1,33 | 6,119 | 9,10 | — 0,45 | |
| 2 | 14,05 | — 0,06 | 1586 | 0,265 | 1,034 | 1,31 | 6,128 | 9,35 | — 0,44 | |
| 3 | 14,28 | — 0,06 | 1651 | 0,271 | 1,035 | 1,30 | 6,136 | 9,59 | — 0,44 | |
| 4 | 14,52 | — 0,06 | 1715 | 0,276 | 1,037 | 1,28 | 6,144 | 9,83 | — 0,44 | |
| 5 | 14,75 | — 0,06 | 1781 | 0,282 | 1,038 | 1,26 | 6,152 | 10,07 | — 0,43 | |
| 6 | 14,99 | — 0,06 | 1846 | 0,288 | 1,040 | 1,24 | 6,159 | 10,30 | — 0,43 | |
| 7 | 15,23 | — 0,06 | 1912 | 0,294 | 1,042 | 1,22 | 6,166 | 10,53 | — 0,43 | |
| 8 | 15,47 | — 0,06 | 1978 | 0,299 | 1,044 | 1,21 | 6,173 | 10,76 | — 0,42 | |
| 9 | 15,71 | — 0,06 | 2044 | 0,305 | 1,045 | 1,19 | 6,179 | 10,99 | — 0,42 | |
| 10 | 15,94 | — 0,06 | 2111 | 0,310 | 1,047 | 1,16 | 6,185 | 11,21 | — 0,41 | |
| 11 | 16,18 | — 0,06 | 2177 | 0,315 | 1,048 | 1,14 | 6,191 | 11,43 | — 0,41 | |
| 12 | 16,42 | — 0,06 | 2243 | 0,320 | 1,050 | 1,12 | 6,197 | 11,65 | — 0,40 | |
| 13 | 16,66 | — 0,06 | 2310 | 0,325 | 1,051 | 1,10 | 6,203 | 11,86 | — 0,40 | |
| 14 | 16,90 | — 0,06 | 2375 | 0,330 | 1,053 | 1,08 | 6,208 | 12,08 | — 0,39 | |
| 15 | 17,13 | — 0,05 | 2441 | 0,335 | 1,054 | 1,06 | 6,214 | 12,28 | — 0,39 | |
| 16 | 17,37 | — 0,05 | 2506 | 0,340 | 1,056 | 1,03 | 6,219 | 12,49 | — 0,38 | |
| 17 | 17,60 | — 0,05 | 2570 | 0,345 | 1,057 | 1,01 | 6,224 | 12,69 | — 0,38 | |
| 18 | 17,83 | — 0,05 | 2634 | 0,350 | 1,059 | 0,99 | 6,228 | 12,89 | — 0,37 | |
| 19 | 18,06 | — 0,05 | 2697 | 0,355 | 1,061 | 0,96 | 6,233 | 13,08 | — 0,37 | |
| 20 | 18,28 | — 0,05 | 2760 | 0,359 | 1,063 | 0,94 | 6,237 | 13,27 | — 0,36 | |
| 21 | 18,51 | — 0,05 | 2821 | 0,364 | 1,064 | 0,91 | 6,241 | 13,46 | — 0,35 | |
| 22 | 18,73 | — 0,05 | 2882 | 0,368 | 1,065 | 0,89 | 6,245 | 13,64 | — 0,35 | |
| 23 | 18,94 | — 0,05 | 2941 | 0,372 | 1,066 | 0,86 | 6,249 | 13,82 | — 0,34 | |
| 24 | 19,15 | — 0,05 | 3000 | 0,376 | 1,068 | 0,84 | 6,252 | 13,99 | — 0,33 | |
| 25 | 19,36 | — 0,05 | 3057 | 0,380 | 1,069 | 0,81 | 6,256 | 14,17 | — 0,33 | |
| 26 | 19,56 | — 0,05 | 3113 | 0,384 | 1,071 | 0,78 | 6,259 | 14,33 | — 0,32 | |
| 27 | 19,76 | — 0,05 | 3167 | 0,388 | 1,072 | 0,75 | 6,262 | 14,50 | — 0,32 | |
| 28 | 19,96 | — 0,04 | 3221 | 0,391 | 1,074 | 0,73 | 6,265 | 14,66 | — 0,31 | |
| 29 | 20,15 | — 0,04 | 3272 | 0,395 | 1,075 | 0,70 | 6,268 | 14,81 | — 0,30 | |
| 30 | 20,33 | — 0,04 | 3322 | 0,398 | 1,076 | 0,67 | 6,270 | 14,94 | — 0,29 | |
| 31 | 20,50 | — 0,04 | 3370 | 0,401 | 1,077 | 0,64 | 6,273 | 15,11 | — 0,29 | |

## Tabula XII. *continuata.*

### *Reductio observationum Solis.*

### December.

| | Mora transitus | Var. Saec. | Log. *F* | Tang. | Sec. | *a* | Log *b* | Radius disci | Var. Saec. | Parall-axis |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | — | | ± | — | | | |
| | ′ ″ | ″ | | | | ″ | | ′ ″ | ″ | |
| 0 | 2 20,33 | — 0,04 | 0,03322 | 0,398 | 1,076 | 0,67 | 6,270 | 16 14,94 | — 0,29 | |
| 1 | 20,50 | — 0,04 | 3370 | 0,401 | 1,077 | 0,64 | 6,273 | 15,11 | — 0,29 | |
| 2 | 20,68 | — 0,04 | 3417 | 0,404 | 1,079 | 0,61 | 6,275 | 15,25 | — 0,28 | |
| 3 | 20,84 | — 0,04 | 3461 | 0,407 | 1,080 | 0,58 | 6,277 | 15,39 | — 0,27 | |
| 4 | 21,00 | — 0,04 | 3504 | 0,410 | 1,081 | 0,55 | 6,279 | 15,52 | — 0,27 | |
| 5 | 21,15 | — 0,04 | 3544 | 0,413 | 1,082 | 0,52 | 6,281 | 15,65 | — 0,26 | |
| 6 | 21,29 | — 0,04 | 3583 | 0,415 | 1,083 | 0,49 | 6,283 | 15,77 | — 0,25 | |
| 7 | 21,43 | — 0,04 | 3619 | 0,417 | 1,084 | 0,46 | 6,285 | 15,89 | — 0,24 | |
| 8 | 21,56 | — 0,03 | 3654 | 0,419 | 1,085 | 0,43 | 6,287 | 16,01 | — 0,24 | |
| 9 | 21,68 | — 0,03 | 3686 | 0,421 | 1,086 | 0,40 | 6,289 | 16,12 | — 0,23 | |
| 10 | 21,79 | — 0,03 | 3715 | 0,423 | 1,086 | 0,37 | 6,290 | 16,22 | — 0,22 | |
| 11 | 21,89 | — 0,03 | 3743 | 0,425 | 1,087 | 0,34 | 6,291 | 16,33 | — 0,21 | |
| 12 | 21,99 | — 0,03 | 3768 | 0,427 | 1,087 | 0,30 | 6,292 | 16,42 | — 0,20 | |
| 13 | 22,08 | — 0,03 | 3791 | 0,429 | 1,088 | 0,27 | 6,293 | 16,51 | — 0,20 | |
| 14 | 22,16 | — 0,03 | 3811 | 0,430 | 1,088 | 0,24 | 6,294 | 16,60 | — 0,19 | |
| 15 | 22,23 | — 0,03 | 3829 | 0,431 | 1,089 | 0,21 | 6,295 | 16,68 | — 0,18 | |
| 16 | 22,29 | — 0,02 | 3844 | 0,432 | 1,089 | 0,18 | 6,295 | 16,76 | — 0,17 | |
| 17 | 22,34 | — 0,02 | 3857 | 0,433 | 1,090 | 0,14 | 6,296 | 16,83 | — 0,16 | |
| 18 | 22,38 | — 0,02 | 3867 | 0,433 | 1,090 | 0,11 | 6,296 | 16,90 | — 0,15 | |
| 19 | 22,42 | — 0,02 | 3875 | 0,433 | 1,090 | 0,08 | 6,296 | 16,96 | — 0,15 | |
| 20 | 22,44 | — 0,02 | 3880 | 0,434 | 1,090 | 0,05 | 6,297 | 17,02 | — 0,14 | |
| 21 | 22,46 | — 0,02 | 3882 | 0,434 | 1,090 | 0,01 | 6,297 | 17,07 | — 0,13 | |
| 22 | 22,46 | — 0,02 | 3882 | 0,434 | 1,090 | 0,02 | 6,297 | 17,12 | — 0,12 | |
| 23 | 22,46 | — 0,02 | 3879 | 0,434 | 1,090 | 0,05 | 6,297 | 17,16 | — 0,11 | |
| 24 | 22,45 | — 0,01 | 3874 | 0,433 | 1,090 | 0,08 | 6,296 | 17,19 | — 0,10 | |
| 25 | 22,43 | — 0,01 | 3866 | 0,433 | 1,089 | 0,12 | 6,296 | 17,23 | — 0,09 | |
| 26 | 22,40 | — 0,01 | 3855 | 0,432 | 1,089 | 0,15 | 6,296 | 17,25 | — 0,09 | |
| 27 | 22,36 | — 0,01 | 3842 | 0,431 | 1,089 | 0,18 | 6,295 | 17,28 | — 0,08 | |
| 28 | 22,31 | — 0,01 | 3826 | 0,430 | 1,089 | 0,21 | 6,294 | 17,29 | — 0,07 | |
| 29 | 22,25 | — 0,01 | 3808 | 0,429 | 1,088 | 0,24 | 6,294 | 17,30 | — 0,06 | |
| 30 | 22,18 | — 0,01 | 3787 | 0,428 | 1,088 | 0,28 | 6,293 | 17,31 | — 0,05 | |
| 31 | 22,11 | — 0,01 | 3764 | 0,427 | 1,087 | 0,31 | 6,292 | 17,31 | — 0,04 | |
| 32 | 22,02 | 0,00 | 3739 | 0,425 | 1,086 | 0,34 | 6,290 | 17,31 | — 0,03 | |

# Tabula XIII.

*Reductio observationum Lunae.*

Arg. = Log. [$\varrho$ Sin. $\pi$ Cos. ($\varphi' - \delta$)]

| Arg. | Log. *A* | | Arg. | Log. *A* | |
|---|---|---|---|---|---|
| 7,00 | 9,99957 | 6 | 7,85 | 9,99691 | 7 |
| 7,05 | 9,99951 | 6 | 7,86 | 9,99684 | 7 |
| 7,10 | 9,99945 | 6 | 7,87 | 9,99677 | 8 |
| 7,15 | 9,99939 | 8 | 7,88 | 9,99669 | 7 |
| 7,20 | 9,99931 | 8 | 7,89 | 9,99662 | 8 |
| 7,25 | 9,99923 | 10 | 7,90 | 9,99654 | 8 |
| 7,30 | 9,99913 | 10 | 7,91 | 9,99646 | 9 |
| 7,35 | 9,99903 | 12 | 7,92 | 9,99637 | 8 |
| 7,40 | 9,99891 | 14 | 7,93 | 9,99629 | 9 |
| 7,45 | 9,99877 | 15 | 7,94 | 9,99620 | 9 |
| 7,50 | 9,99862 | 16 | 7,95 | 9,99611 | 9 |
| 7,55 | 9,99846 | 4 | 7,96 | 9,99602 | 9 |
| 7,56 | 9,99842 | 4 | 7,97 | 9,99593 | 10 |
| 7,57 | 9,99838 | 4 | 7,98 | 9,99583 | 9 |
| 7,58 | 9,99834 | 3 | 7,99 | 9,99574 | 10 |
| 7,59 | 9,99831 | 4 | 8,00 | 9,99564 | 11 |
| 7,60 | 9,99827 | 4 | 8,01 | 9,99553 | 10 |
| 7,61 | 9,99823 | 4 | 8,02 | 9,99543 | 11 |
| 7,62 | 9,99819 | 5 | 8,03 | 9,99532 | 11 |
| 7,63 | 9,99814 | 4 | 8,04 | 9,99521 | 11 |
| 7,64 | 9,99810 | 4 | 8,05 | 9,99510 | 12 |
| 7,65 | 9,99806 | 5 | 8,06 | 9,99498 | 11 |
| 7,66 | 9,99801 | 5 | 8,07 | 9,99487 | 12 |
| 7,67 | 9,99796 | 4 | 8,08 | 9,99475 | 13 |
| 7,68 | 9,99792 | 5 | 8,09 | 9,99462 | 12 |
| 7,69 | 9,99787 | 5 | 8,10 | 9,99450 | 13 |
| 7,70 | 9,99782 | 5 | 8,11 | 9,99437 | 13 |
| 7,71 | 9,99777 | 6 | 8,12 | 9,99424 | 14 |
| 7,72 | 9,99771 | 5 | 8,13 | 9,99410 | 14 |
| 7,73 | 9,99766 | 5 | 8,14 | 9,99396 | 14 |
| 7,74 | 9,99761 | 6 | 8,15 | 9,99382 | 14 |
| 7,75 | 9,99755 | 6 | 8,16 | 9,99368 | 15 |
| 7,76 | 9,99749 | 5 | 8,17 | 9,99353 | 15 |
| 7,77 | 9,99744 | 6 | 8,18 | 9,99338 | 16 |
| 7,78 | 9,99738 | 7 | 8,19 | 9,99322 | 16 |
| 7,79 | 9,99731 | 6 | 8,20 | 9,99306 | 16 |
| 7,80 | 9,99725 | 6 | 8,21 | 9,99290 | 17 |
| 7,81 | 9,99719 | 7 | 8,22 | 9,99273 | 17 |
| 7,82 | 9,99712 | 7 | 8,23 | 9,99256 | 17 |
| 7,83 | 9,99705 | 6 | 8,24 | 9,99239 | 18 |
| 7,84 | 9,99699 | 8 | 8,25 | 9,99221 | 19 |
| 7,85 | 9,99691 | | 8,26 | 9,99202 | |

Arg. = $\Delta\alpha$

| Arg. | Log. *B* | |
|---|---|---|
| ° ′ | | |
| 5 10 | 0,01261 | 42 |
| 20 | 0,01303 | 41 |
| 30 | 0,01344 | 41 |
| 40 | 0,01385 | 42 |
| 50 | 0,01427 | 41 |
| 6 0 | 0,01468 | 42 |
| 10 | 0,01510 | 41 |
| 20 | 0,01551 | 42 |
| 30 | 0,01593 | 41 |
| 40 | 0,01634 | 42 |
| 50 | 0,01676 | 42 |
| 7 0 | 0,01718 | 42 |
| 10 | 0,01760 | 41 |
| 20 | 0,01801 | 42 |
| 30 | 0,01843 | 42 |
| 40 | 0,01885 | 42 |
| 50 | 0,01927 | 42 |
| 8 0 | 0,01969 | 42 |
| 10 | 0,02011 | 42 |
| 20 | 0,02053 | 42 |
| 30 | 0,02095 | |

Arg. = $\Delta\delta$

| Arg. | $\lambda'$ |
|---|---|
| ° ′ | ″ |
| 0 10 | 0,0139 |
| 20 | 0,0277 |
| 30 | 0,0416 |
| 40 | 0,0554 |
| 50 | 0,0693 |
| 1 0 | 0,0831 |
| 10 | 0,0970 |
| 20 | 0,1108 |
| 30 | 0,1247 |
| 40 | 0,1385 |
| 50 | 0,1524 |
| 2 0 | 0,1662 |
| 10 | 0,1801 |
| 20 | 0,1939 |
| 30 | 0,2078 |
| 40 | 0,2216 |
| 50 | 0,2355 |
| 3 0 | 0,2493 |
| 10 | 0,2632 |
| 20 | 0,2770 |
| 30 | 0,2909 |

# Tabula XIV.

*Refractio astronomica.*

| Dist. a Vert. | Log. α | Diff. | λ |
|---|---|---|---|
| ° 0 | 1,76156 | 0 | |
| 5 | 1,76156 | 2 | |
| 10 | 1,76154 | 2 | |
| 15 | 1,76152 | 3 | |
| 20 | 1,76149 | 4 | |
| 25 | 1,76145 | 6 | |
| 30 | 1,76139 | 1 | |
| 31 | 1,76138 | 2 | |
| 32 | 1,76136 | 2 | |
| 33 | 1,76134 | 2 | |
| 34 | 1,76132 | 2 | |
| 35 | 1,76130 | 2 | |
| 36 | 1,76128 | 2 | |
| 37 | 1,76126 | 2 | |
| 38 | 1,76124 | 2 | |
| 39 | 1,76122 | 3 | |
| 40 | 1,76119 | 2 | |
| 41 | 1,76117 | 3 | |
| 42 | 1,76114 | 3 | |
| 43 | 1,76111 | 4 | |
| 44 | 1,76107 | 3 | |
| 45 | 1,76104 | 4 | 1,0018 |
| 46 | 1,76100 | 4 | 1,0019 |
| 47 | 1,76096 | 4 | 1,0019 |
| 48 | 1,76092 | 5 | 1,0020 |
| 49 | 1,76087 | 5 | 1,0021 |
| 50 | 1,76082 | 5 | 1,0023 |
| 51 | 1,76077 | 6 | 1,0025 |
| 52 | 1,76071 | 6 | 1,0026 |
| 53 | 1,76065 | 7 | 1,0027 |
| 54 | 1,76058 | 8 | 1,0029 |
| 55 | 1,76050 | 8 | 1,0031 |
| 56 | 1,76042 | 9 | 1,0034 |
| 57 | 1,76033 | 10 | 1,0037 |
| 58 | 1,76023 | 11 | 1,0040 |
| 59 | 1,76012 | 11 | 1,0043 |
| 60 | 1,76001 | 13 | 1,0046 |
| 61 | 1,75988 | 15 | 1,0049 |
| 62 | 1,75973 | 16 | 1,0054 |
| 63 | 1,75957 | 18 | 1,0058 |
| 64 | 1,75939 | 20 | 1,0063 |
| 65 | 1,75919 | 22 | 1,0068 |
| 66 | 1,75897 | 26 | 1,0075 |
| 67 | 1,75871 | 29 | 1,0083 |
| 68 | 1,75842 | | 1,0092 |

| Dist. a Vert. | Log. α | Diff. | A | λ |
|---|---|---|---|---|
| ° 68 | 1,75842 | 33 | | 1,0092 |
| 69 | 1,75809 | 38 | | 1,0101 |
| 70 | 1,75771 | 45 | | 1,0111 |
| 71 | 1,75726 | 51 | | 1,0124 |
| 72 | 1,75675 | 60 | | 1,0139 |
| 73 | 1,75615 | 72 | | 1,0156 |
| 74 | 1,75543 | 86 | | 1,0175 |
| 75 0 | 1,75457 | 16 | | 1,0197 |
| 10 | 1,75441 | 16 | | 1,0200 |
| 20 | 1,75425 | 17 | | 1,0204 |
| 30 | 1,75408 | 17 | | 1,0208 |
| 40 | 1,75391 | 18 | | 1,0212 |
| 50 | 1,75373 | 18 | | 1,0216 |
| 76 0 | 1,75355 | 19 | | 1,0220 |
| 10 | 1,75336 | 20 | | 1,0225 |
| 20 | 1,75316 | 21 | | 1,0230 |
| 30 | 1,75295 | 21 | | 1,0235 |
| 40 | 1,75274 | 22 | | 1,0241 |
| 50 | 1,75252 | 23 | | 1,0246 |
| 77 0 | 1,75229 | 24 | 1,0026 | 1,0252 |
| 10 | 1,75205 | 25 | 1,0026 | 1,0258 |
| 20 | 1,75180 | 25 | 1,0027 | 1,0264 |
| 30 | 1,75155 | 26 | 1,0027 | 1,0272 |
| 40 | 1,75129 | 28 | 1,0028 | 1,0281 |
| 50 | 1,75101 | 29 | 1,0029 | 1,0290 |
| 78 0 | 1,75072 | 29 | 1,0030 | 1,0299 |
| 10 | 1,75043 | 30 | 1,0030 | 1,0308 |
| 20 | 1,75013 | 32 | 1,0031 | 1,0318 |
| 30 | 1,74981 | 34 | 1,0032 | 1,0328 |
| 40 | 1,74947 | 35 | 1,0033 | 1,0338 |
| 50 | 1,74912 | 36 | 1,0034 | 1,0347 |
| 79 0 | 1,74876 | 37 | 1,0035 | 1,0357 |
| 10 | 1,74839 | 40 | 1,0036 | 1,0367 |
| 20 | 1,74799 | 42 | 1,0037 | 1,0377 |
| 30 | 1,74757 | 43 | 1,0038 | 1,0387 |
| 40 | 1,74714 | 44 | 1,0039 | 1,0398 |
| 50 | 1,74670 | 47 | 1,0040 | 1,0409 |
| 80 0 | 1,74623 | 50 | 1,0041 | 1,0420 |
| 10 | 1,74573 | 52 | 1,0042 | 1,0431 |
| 20 | 1,74521 | 53 | 1,0043 | 1,0442 |
| 30 | 1,74468 | 56 | 1,0045 | 1,0454 |
| 40 | 1,74412 | 60 | 1,0046 | 1,0466 |
| 50 | 1,74352 | 64 | 1,0047 | 1,0479 |
| 81 0 | 1,74288 | | 1,0049 | 1,0493 |

## Tabula XIV. *continuata.*

### *Refractio astronomica.*

| Dist. a Vert. | Log. $\alpha$ | Diff. | $A$ | $\lambda$ |
|---|---|---|---|---|
| 81° 0′ | 1,74288 | 65 | 1,0049 | 1,0493 |
| 10 | 1,74223 | 68 | 1,0050 | 1,0508 |
| 20 | 1,74155 | 72 | 1,0052 | 1,0523 |
| 30 | 1,74083 | 76 | 1,0054 | 1,0540 |
| 40 | 1,74007 | 79 | 1,0056 | 1,0559 |
| 50 | 1,73928 | 83 | 1,0058 | 1,0579 |
| 82 0 | 1,73845 | 88 | 1,0060 | 1,0600 |
| 10 | 1,73757 | 94 | 1,0062 | 1,0622 |
| 20 | 1,73663 | 99 | 1,0065 | 1,0646 |
| 30 | 1,73564 | 105 | 1,0067 | 1,0671 |
| 40 | 1,73459 | 112 | 1,0070 | 1,0697 |
| 50 | 1,73347 | 118 | 1,0073 | 1,0725 |
| 83 0 | 1,73229 | 124 | 1,0075 | 1,0754 |
| 10 | 1,73105 | 131 | 1,0078 | 1,0784 |
| 20 | 1,72974 | 142 | 1,0081 | 1,0815 |
| 30 | 1,72832 | 151 | 1,0084 | 1,0846 |
| 40 | 1,72681 | 162 | 1,0088 | 1,0879 |
| 50 | 1,72519 | 173 | 1,0092 | 1,0914 |
| 84 0 | 1,72346 | 186 | 1,0096 | 1,0951 |
| 10 | 1,72160 | 199 | 1,0100 | 1,0992 |
| 20 | 1,71961 | 212 | 1,0105 | 1,1036 |
| 30 | 1,71749 | 227 | 1,0110 | 1,1082 |
| 40 | 1,71522 | 243 | 1,0115 | 1,1130 |
| 50 | 1,71279 | 259 | 1,0121 | 1,1178 |
| 85 0 | 1,71020 | | 1,0127 | 1,1229 |

### Supplementum Tabulae praecedentis.

| | Log. Refr. | $A$ | $\lambda$ |
|---|---|---|---|
| 85° 0′ | 2,76687 | 1,0127 | 1,1229 |
| 30 | 2,80590 | 1,0147 | 1,1408 |
| 86 0 | 2,84444 | 1,0172 | 1,1624 |
| 30 | 2,88555 | 1,0204 | 1,1888 |
| 87 0 | 2,93174 | 1,0244 | 1,2215 |
| 30 | 2,98269 | 1,0298 | 1,2624 |
| 88 0 | 3,03686 | 1,0368 | 1,3141 |
| 30 | 3,09723 | 1,0465 | 1,3797 |
| 89 0 | 3,16572 | 1,0593 | 1,4653 |
| 30 | 3,24142 | 1,0780 | 1,5789 |

### Factor Refractionis a gradu Thermometri in Barometro affixi pendens = $T$

Scala *Fahrenheitiana*

| | Log. $T$ |
|---|---|
| — 30° | + 0,00242 |
| — 20 | + 0 00203 |
| — 10 | + 0,00164 |
| 0 | + 0,00125 |
| + 10 | + 0,00086 |
| + 20 | + 0,00047 |
| + 30 | + 0,00008 |
| + 40 | — 0,00031 |
| + 50 | — 0,00070 |
| + 60 | — 0,00109 |
| + 70 | — 0,00148 |
| + 80 | — 0,00186 |
| + 90 | — 0,00225 |
| +100 | — 0,00264 |

Scala

| | *Réaumur* Log. $T$ | *Centes.* Log. $T$ |
|---|---|---|
| — 35° | + 0,00308 | + 0,00246 |
| — 30 | + 0,00264 | + 0,00211 |
| — 25 | + 0,00220 | + 0,00176 |
| — 20 | + 0,00176 | + 0,00140 |
| — 15 | + 0,00132 | + 0,00105 |
| — 10 | + 0,00088 | + 0,00070 |
| — 5 | + 0,00044 | + 0,00035 |
| 0 | 0,00000 | 0,00000 |
| + 5 | — 0,00044 | — 0,00035 |
| + 10 | — 0,00088 | — 0,00070 |
| + 15 | — 0,00131 | — 0,00105 |
| + 20 | — 0,00175 | — 0,00140 |
| + 25 | — 0,00218 | — 0,00175 |
| + 30 | — 0,00262 | — 0,00210 |
| + 35 | — 0,00305 | — 0,00244 |

## Tabula XIV. *continuata.*

### *Refractio astronomica.*

**Factor Refractionis ab altitudine Barometri pendens = *B***

| Partes pedis Parisiensis | | Partes pedis Anglici | | Partes Metrorum Gallicorum | | | |
|---|---|---|---|---|---|---|---|
| Lin. | Log. *B* | Poll. | Log. *B* | | Log. *B* | | Log. *B* |
| 315 | − 0,02445 | 27,5 | − 0,03191 | 0,725 | −0,01560 | 0,760 | +0,00488 |
| 316 | − 0,02307 | 27,6 | − 0,03033 | 0,726 | −0,01500 | 0,761 | +0,00545 |
| 317 | − 0,02170 | 27,7 | − 0,02876 | 0,727 | −0,01440 | 0,762 | +0,00602 |
| 318 | − 0,02033 | 27,8 | − 0,02720 | 0,728 | −0,01380 | 0,763 | +0,00659 |
| 319 | − 0,01897 | 27,9 | − 0,02564 | 0,729 | −0,01321 | 0,764 | +0,00716 |
| 320 | − 0,01761 | 28,0 | − 0,02409 | 0,730 | −0,01261 | 0,765 | +0,00773 |
| 321 | − 0,01625 | 28,1 | − 0,02254 | 0,731 | −0,01202 | 0,766 | +0,00830 |
| 322 | − 0,01490 | 28,2 | − 0,02099 | 0,732 | −0,01142 | 0,767 | +0,00886 |
| 323 | − 0,01356 | 28,3 | − 0,01946 | 0,733 | −0,01083 | 0,768 | +0,00943 |
| 324 | − 0,01221 | 28,4 | − 0,01793 | 0,734 | −0,01024 | 0,769 | +0,00999 |
| 325 | − 0,01088 | 28,5 | − 0,01640 | 0,735 | −0,00965 | 0,770 | +0,01056 |
| 326 | − 0,00954 | 28,6 | − 0,01488 | 0,736 | −0,00906 | 0,771 | +0,01112 |
| 327 | − 0,00821 | 28,7 | − 0,01336 | 0,737 | −0,00847 | 0,772 | +0,01168 |
| 328 | − 0,00689 | 28,8 | − 0,01185 | 0,738 | −0,00788 | 0,773 | +0,01225 |
| 329 | − 0,00556 | 28,9 | − 0,01035 | 0,739 | −0,00729 | 0,774 | +0,01281 |
| 330 | − 0,00425 | 29,0 | − 0,00885 | 0,740 | −0,00670 | 0,775 | +0,01337 |
| 331 | − 0,00293 | 29,1 | − 0,00735 | 0,741 | −0,00612 | 0,776 | +0,01393 |
| 332 | − 0,00162 | 29,2 | − 0,00586 | 0,742 | −0,00553 | 0,777 | +0,01449 |
| 333 | − 0,00032 | 29,3 | − 0,00438 | 0,743 | −0,00494 | 0,778 | +0,01505 |
| 334 | + 0,00099 | 29,4 | − 0,00290 | 0,744 | −0,00436 | 0,779 | +0,01560 |
| 335 | + 0,00228 | 29,5 | − 0,00142 | 0,745 | −0,00378 | 0,780 | +0,01616 |
| 336 | + 0,00358 | 29,6 | + 0,00005 | 0,746 | −0,00319 | 0,781 | +0,01672 |
| 337 | + 0,00487 | 29,7 | + 0,00151 | 0,747 | −0,00261 | 0,782 | +0,01727 |
| 338 | + 0,00616 | 29,8 | + 0,00297 | 0,748 | −0,00203 | 0,783 | +0,01783 |
| 339 | + 0,00744 | 29,9 | + 0,00443 | 0,749 | −0,00145 | 0,784 | +0,01838 |
| 340 | + 0,00872 | 30,0 | + 0,00588 | 0,750 | −0,00087 | 0,785 | +0,01894 |
| 341 | + 0,00999 | 30,1 | + 0,00732 | 0,751 | −0,00029 | 0,786 | +0,01949 |
| 342 | + 0,01127 | 30,2 | + 0,00876 | 0,752 | +0,00028 | 0,787 | +0,02004 |
| 343 | + 0,01253 | 30,3 | + 0,01020 | 0,753 | +0,00086 | 0,788 | +0,02059 |
| 344 | + 0,01380 | 30,4 | + 0,01163 | 0,754 | +0,00144 | 0,789 | +0,02114 |
| 345 | + 0,01506 | 30,5 | + 0,01306 | 0,755 | +0,00201 | 0,790 | +0,02169 |
| 346 | + 0,01632 | 30,6 | + 0,01448 | 0,756 | +0,00259 | 0,791 | +0,02224 |
| 347 | + 0,01757 | 30,7 | + 0,01589 | 0,757 | +0,00316 | 0,792 | +0,02279 |
| 348 | + 0,01882 | 30,8 | + 0,01731 | 0,758 | +0,00374 | 0,793 | +0,02334 |
| 349 | + 0,02007 | 30,9 | + 0,01871 | 0,759 | +0,00431 | 0,794 | +0,02389 |
| 350 | + 0,02131 | 31,0 | + 0,02012 | 0,760 | +0,00488 | 0,795 | +0,02443 |

$$\text{Log. } \beta = \text{Log. } B + \text{Log. } T.$$

## Tabula XIV. *continuata.*

### *Refractio astronomica.*

**Factor Refractionis a gradu Thermometri exterioris pendens = $\gamma$**

Scala *Fahrenheitiana*

| | Log. $\gamma$ | | Log. $\gamma$ | | Log. $\gamma$ |
|---|---|---|---|---|---|
| − 25° | + 0,06773 | 15° | + 0,02969 | 55° | − 0,00528 |
| − 24 | + 0,06674 | 16 | + 0,02878 | 56 | − 0,00612 |
| − 23 | + 0,06575 | 17 | + 0,02787 | 57 | − 0,00698 |
| − 22 | + 0,06476 | 18 | + 0,02697 | 58 | − 0,00780 |
| − 21 | + 0,06377 | 19 | + 0,02606 | 59 | − 0,00863 |
| − 20 | + 0,06279 | 20 | + 0,02514 | 60 | − 0,00946 |
| − 19 | + 0,06181 | 21 | + 0,02426 | 61 | − 0,01029 |
| − 18 | + 0,06083 | 22 | + 0,02336 | 62 | − 0,01112 |
| − 17 | + 0,05985 | 23 | + 0,02247 | 63 | − 0,01195 |
| − 16 | + 0,05887 | 24 | + 0,02157 | 64 | − 0,01278 |
| − 15 | + 0,05790 | 25 | + 0,02068 | 65 | − 0,01360 |
| − 14 | + 0,05693 | 26 | + 0,01979 | 66 | − 0,01443 |
| − 13 | + 0,05596 | 27 | + 0,01890 | 67 | − 0,01525 |
| − 12 | + 0,05500 | 28 | + 0,01801 | 68 | − 0,01607 |
| − 11 | + 0,05403 | 29 | + 0,01713 | 69 | − 0,01689 |
| − 10 | + 0,05307 | 30 | + 0,01624 | 70 | − 0,01770 |
| − 9 | + 0,05211 | 31 | + 0,01536 | 71 | − 0,01852 |
| − 8 | + 0,05115 | 32 | + 0,01448 | 72 | − 0,01933 |
| − 7 | + 0,05020 | 33 | + 0,01360 | 73 | − 0,02015 |
| − 6 | + 0,04924 | 34 | + 0,01273 | 74 | − 0,02096 |
| − 5 | + 0,04829 | 35 | + 0,01185 | 75 | − 0,02177 |
| − 4 | + 0,04734 | 36 | + 0,01098 | 76 | − 0,02257 |
| − 3 | + 0,04640 | 37 | + 0,01011 | 77 | − 0,02338 |
| − 2 | + 0,04545 | 38 | + 0,00924 | 78 | − 0,02419 |
| − 1 | + 0,04451 | 39 | + 0,00837 | 79 | − 0,02499 |
| 0 | + 0,04357 | 40 | + 0,00750 | 80 | − 0,02579 |
| + 1 | + 0,04263 | 41 | + 0,00664 | 81 | − 0,02659 |
| 2 | + 0,04169 | 42 | + 0,00578 | 82 | − 0,02738 |
| 3 | + 0,04076 | 43 | + 0,00492 | 83 | − 0,02819 |
| 4 | + 0,03982 | 44 | + 0,00406 | 84 | − 0,02898 |
| 5 | + 0,03889 | 45 | + 0,00320 | 85 | − 0,02978 |
| 6 | + 0,03796 | 46 | + 0,00234 | 86 | − 0,03057 |
| 7 | + 0,03704 | 47 | + 0,00149 | 87 | − 0,03136 |
| 8 | + 0,03611 | 48 | + 0,00064 | 88 | − 0,03216 |
| 9 | + 0,03519 | 49 | − 0,00021 | 89 | − 0,03294 |
| 10 | + 0,03427 | 50 | − 0,00106 | 90 | − 0,03373 |
| 11 | + 0,03335 | 51 | − 0,00191 | 91 | − 0,03452 |
| 12 | + 0,03243 | 52 | − 0,00275 | 92 | − 0,03530 |
| 13 | + 0,03152 | 53 | − 0,00360 | 93 | − 0,03609 |
| 14 | + 0,03060 | 54 | − 0,00444 | 94 | − 0,03687 |
| 15 | + 0,02969 | 55 | − 0,00528 | 95 | − 0,03765 |

## Tabula XIV. *continuata.*

### *Refractio astronomica.*

**Factor Refractionis a gradu Thermometri exterioris pendens = $\gamma$**

| | Scala *Réaum.* Log. $\gamma$ | Scala *Centes.* Log. $\gamma$ | | Scala *Réaum.* Log. $\gamma$ | Scala *Centes.* Log. $\gamma$ |
|---|---|---|---|---|---|
| ° | | | ° | | |
| — 35 | + 0,08990 | + 0,07373 | 0 | + 0,01448 | + 0,01448 |
| — 34 | + 0,08755 | + 0,07192 | + 1 | + 0,01251 | + 0,01290 |
| — 33 | + 0,08522 | + 0,07012 | 2 | + 0,01054 | + 0,01133 |
| — 32 | + 0,08290 | + 0,06833 | 3 | + 0,00859 | + 0,00976 |
| — 31 | + 0,08059 | + 0,06654 | 4 | + 0,00664 | + 0,00820 |
| — 30 | + 0,07829 | + 0,06476 | 5 | + 0,00470 | + 0,00664 |
| — 29 | + 0,07601 | + 0,06298 | 6 | + 0,00277 | + 0,00509 |
| — 28 | + 0,07373 | + 0,06122 | 7 | + 0,00085 | + 0,00354 |
| — 27 | + 0,07147 | + 0,05946 | 8 | — 0,00106 | + 0,00200 |
| — 26 | + 0,06922 | + 0,05771 | 9 | — 0,00297 | + 0,00047 |
| — 25 | + 0,06698 | + 0,05596 | 10 | — 0,00486 | — 0,00106 |
| — 24 | + 0,06476 | + 0,05423 | 11 | — 0,00675 | — 0,00259 |
| — 23 | + 0,06254 | + 0,05249 | 12 | — 0,00863 | — 0,00410 |
| — 22 | + 0,06034 | + 0,05077 | 13 | — 0,01050 | — 0,00562 |
| — 21 | + 0,05815 | + 0,04905 | 14 | — 0,01236 | — 0,00713 |
| — 20 | + 0,05596 | + 0,04734 | 15 | — 0,01422 | — 0,00863 |
| — 19 | + 0,05379 | + 0,04564 | 16 | — 0,01607 | — 0,01013 |
| — 18 | + 0,05163 | + 0,04394 | 17 | — 0,01791 | — 0,01162 |
| — 17 | + 0,04948 | + 0,04225 | 18 | — 0,01974 | — 0,01311 |
| — 16 | + 0,04734 | + 0,04057 | 19 | — 0,02156 | — 0,01459 |
| — 15 | + 0,04522 | + 0,03889 | 20 | — 0,02338 | — 0,01607 |
| — 14 | + 0,04310 | + 0,03722 | 21 | — 0,02519 | — 0,01754 |
| — 13 | + 0,04099 | + 0,03556 | 22 | — 0,02699 | — 0,01901 |
| — 12 | + 0,03889 | + 0,03390 | 23 | — 0,02879 | — 0,02047 |
| — 11 | + 0,03681 | + 0,03225 | 24 | — 0,03057 | — 0,02192 |
| — 10 | + 0,03473 | + 0,03060 | 25 | — 0,03235 | — 0,02338 |
| — 9 | + 0,03266 | + 0,02896 | 26 | — 0,03412 | — 0,02483 |
| — 8 | + 0,03060 | + 0,02733 | 27 | — 0,03589 | — 0,02627 |
| — 7 | + 0,02855 | + 0,02570 | 28 | — 0,03765 | — 0,02771 |
| — 6 | + 0,02652 | + 0,02408 | 29 | — 0,03940 | — 0,02914 |
| — 5 | + 0,02449 | + 0,02247 | 30 | — 0,04114 | — 0,03057 |
| — 4 | + 0,02247 | + 0,02086 | 31 | — 0,04288 | — 0,03200 |
| — 3 | + 0,02046 | + 0,01926 | 32 | — 0,04461 | — 0,03342 |
| — 2 | + 0,01846 | + 0,01766 | 33 | — 0,04633 | — 0,03483 |
| — 1 | + 0,01646 | + 0,01607 | 34 | — 0,04805 | — 0,03624 |
| 0 | + 0,01448 | + 0,01448 | 35 | — 0,04976 | — 0,03765 |

**Log. Refractionis** $= l$ Tang. $D.aV. + l\alpha + A.l\beta + \lambda.l\gamma.$

# E r r a t a.

| | | | | | *c o r r i g e* |
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| Pag. | VI | lin. | 5 | $b' = b\,a$ — Sin etc. . . . . | $b' = b - a$ Sin etc. |
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| — | LIX | — | 24 | $(\varrho)\ \frac{-g-l}{gl} . as$ . . . . . | $(\varrho) . e^{-\frac{g-l}{gl} . as}$ |
| — | 85 | Octob. 17. | | $E = -0'',08$ . . . . . | $-0'',03$ |
| — | 117 | Janr. 22. | | $C = -0,9880n$ . . . . . | $0,9980n$ |
| — | 216 | 1773 | | Jan. 0 $+7° 20' 37'',82$ . . | $+7° 20' 37'',32$ |
| — | 419 | 1824 | | $8' 16'' 4893$ . . . . . | $8' 16'',9893$ |
| — | 488 | 1849 | | Dec. 66. $44'',54$ . . . . . | $34'',54$ |
| — | 490 | 1833 | | Octob. 27. $57'',95$ . . . . . | $56'',95$ |
| — | 528 | Apr. 10. | | Mora transit. $9'',43$ . . . . | $9'',33$ |

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Bessel, Friedrich Wilhelm
Tabulae regiomontanae reductionum

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